Мастерская автозвука

Все для звука в вашем автомобиле

Интернет-магазин

www.carsound.com.ua

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Operating Instructions

WARNING

⚠WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING.

Failure to do so may result in an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.

Doing so may result in personal injury or damage to the product.

⚠CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.

When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

⚠PRECAUTIONS

Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and –10°C (+14°F) before turning your unit on.

Moisture Condensation

You may notice the CD playback sound wavering due to condensation. If this happens, remove the disc from the player and wait about an hour for the moisture to evaporate.

Damaged Disc

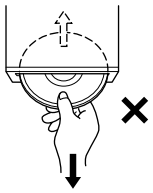
Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Never Attempt the Following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism.
Do not attempt to insert a disc into the unit when the unit power is off.

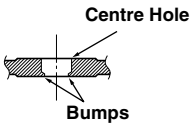


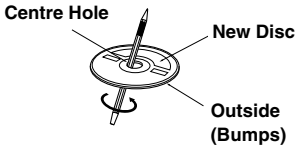
Inserting Discs

Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.
Make sure the label side is facing up when you insert the disc. “ERROR” will be displayed on your player if you insert a disc incorrectly. If “ERROR” continues to be displayed even though the disc has been inserted correctly, push the RESET switch with a pointed object such as a ballpoint pen.
Playing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.

New Discs

To prevent the CD from jamming, “ERROR” is displayed if discs with irregular surfaces are inserted or if discs are inserted incorrectly. When a new disc is ejected immediately after initial loading, use your finger to feel around the inside of the centre hole and outside edge of the disc. If you feel any small bumps or irregularities, this could inhibit proper loading of the disc. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ballpoint pen or other such instrument, then insert the disc again.





Irregular Shaped Discs

Be sure to use round shape discs only for this unit and never use any special shape discs.
Use of special shape discs may cause damage to the mechanism.

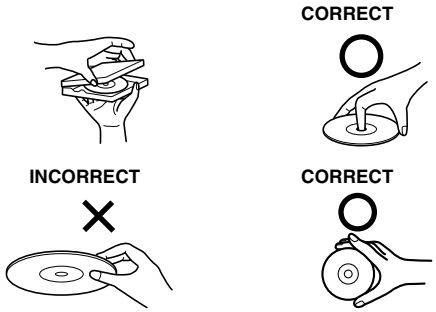
Installation Location

Make sure the DVA-9861E will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

Correct Handling

Do not drop the disc while handling. Hold the disc so you will not leave fingerprints on the surface. Do not affix tape, paper, or gummed labels to the disc. Do not write on the disc.



Disc Cleaning

Fingerprints, dust, or soil on the surface of the disc could cause the CD player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the centre of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.

Disc Accessories

There are various accessories available on the market for protecting the disc surface and improving sound quality. However, most of them will influence the thickness and/or diameter of the disc. Using such accessories can cause the disc to be out of standard specifications and may create operational problems. We recommend not using these accessories on discs played in Alpine CD players.

Discs playable on this unit

Playable Discs

The discs listed below can be played on this unit.

	Mark (logo)	Recorded Content	Disc size
DVD Audio		Audio + Video	12 cm*
			8 cm
DVD Video		Audio + Video	12 cm*
			8 cm
Video CD		Audio + Video	12 cm
			8 cm
Music CD		Audio	12 cm
			8 cm (CD single)

* Two-layer DVD disc compatible

Discs that cannot be played

DVD-ROMs, DVD-RAMs, CD-ROMs (excluding MP3/WMA files), photo CDs, etc.

DVD region number (playable region number)

Refer to the attached card, “TO CUSTOMERS,” for the playable DVD region number for this DVD player.

Video CDs

This DVD head unit is compatible with playback control (PBC) compatible video CDs (version 2.0).
“PBC” is a function by which you can use menu screens recorded on the disc to find the scene you want to watch and view various types of information in dialogue style.

Using compact discs (CD/CD-R/CD-RW)

If you use unspecified compact discs, correct performance cannot be guaranteed.
You can play CD-Rs (CD-Recordable)/CD-RWs (CD-ReWritable) which have been recorded only on audio devices. You can also play CD-Rs/CD-RWs containing MP3/WMA formatted audio files.

- Some of the following discs may not be played on this unit: Flawed discs, discs with fingerprints, discs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), discs recorded under unstable conditions, discs on which a recording failed or a re-recording was attempted, copy-protected CDs which do not conform to the audio CD industry standard.
- Use discs with MP3/WMA files written in a format compliant with ISO9660 level 1 or level 2. For details, see pages 12 and 13.

To customers using CD-R/CD-RW
- If a CD-R/CD-RW cannot be played back, make sure the last recording session was closed (finalized).
- Finalize the CD-R/CD-RW if necessary, and attempt playback again.

Tips for making your own CDs

The DVA-9861E plays DVD Audio, DVD Video, Video CD, Audio CD and has a built in MP3/WMA decoder.

The following information is designed to help you create your own music CDs (either Audio CD or MP3/WMA encoded CD-R/RW files).

What is the difference between an Audio and MP3/WMA CD?
An Audio CD is the same format as the commercial CDs you buy in the store (also known as CD-DA). MP3 (MPEG-1 Audio Layer 3)/WMA (Windows Media Audio) is a data file that uses a compression scheme to reduce the size of the music file.*

Hybrid Audio CD and Data (MP3/WMA) CD-R/RW discs:
The DVA-9861E can read either sector on the disc. Choose CD-DA to play the CD audio section or MP3/WMA to play the MP3/WMA section*.

Multisession CD-R/RW:
Once a recording has been stopped, this is considered as one session. If the disc is not closed (finalized), additional data may be added. Once this additional data has been recorded, this becomes a "multisession" CD. The DVA-9861E can only read multisession DATA Formatted discs (MP3/WMA files - Not Audio CD files).

Properly formatted MP3/WMA Discs:
Use ISO9660 formatting to insure proper playback. You may use standard ISO naming Level 1 (8.3 DOS standard), Level 2 (32 characters) or Joliet (Windows or Macintosh long filenames) file naming conventions*.

*Please consult the Owner's manual for additional information.

On handling compact discs (CD/CD-R/CD-RW)

- Do not touch the surface.
- Do not expose the disc to direct sunlight.
- Do not affix stickers or labels.
- Clean the disc when it is dusty.
- Make sure that the disc is smooth and flat.
- Do not use commercially available disc accessories.

Do not leave the disc in the car or the unit for a long time. Never expose the disc to direct sunlight.
Heat and humidity may damage the disc and you may not be able to play it again.

Using DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs

- This unit is compatible with discs recorded in the DVD-Video and DVD-VR mode.
- Note that discs not finalized (processed to enable to play on playback-only DVD players) cannot be played on this DVD player.
- Some discs may not play back, depending on the recording device and disc format. (Discs or files utilizing copy protection, may not be playable. Some recording systems may not properly format copied files to enable proper playback.)
- In the following cases, the disc may not play on this unit: discs recorded by certain DVD recorders, certain irregular discs, flawed discs, dirty discs, when the pickup lens of this DVD player is dirty, or when moisture condensation has occurred inside the unit.
- Be sure to follow all cautions included with your DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs discs.
- Do not put stickers, seals, or tape on the label side of DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs.
- Compared to the regular discs, DVD-Rs/DVD-RWs/DVD+Rs/DVD+RWs are more affected by heat, moisture, and direct sunlight. If left in a car, etc., damage may occur and it might not play on this unit.
- The operable temperature range for disc playback is as follows:
  DVD-R/DVD-RW: -25 ~ +70°C
  DVD+R/DVD+RW: +5 ~ +55°C

Disc terminology

Title
If titles are programmed for the DVD, these are the largest units of division of the information recorded on the disc.

Chapter
Each Title may also be divided into smaller divisions, called chapters. These can be specific scenes or musical selections.

- *This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.*
- ***Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.***
- ***"DTS" and "DTS2.0 + Digital Out" are trademarks of Digital Theater Systems, inc.***
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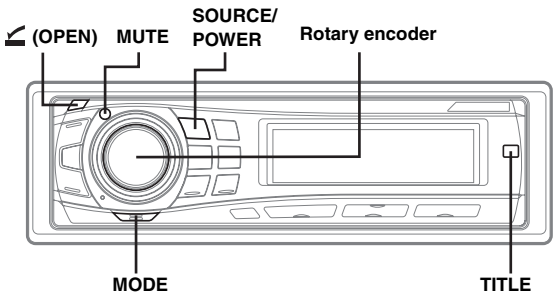
- ***Apple, the Apple logo and iPod are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.***
- ***"MPEG Layer-3 audio coding technology licensed from Fraunhofer llS and Thomson"***
- ***"Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generation) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com."***

Getting Started



About the alphanumeric display of this unit

- All English lower case characters are displayed as upper case on this unit.
- The alphanumeric display in the following table shows alphanumeric characters/numbers that may be difficult to distinguish.

Alphanumeric	0	2	5	6	8	A	B	D
Display	0	2	5	6	8	A	B	D
Alphanumeric	**G**	**H**	**K**	**M**	**Q**	**R**	**S**	**Z**
Display	G	H	K	M	Q	R	S	Z

Turning Power On and Off

Press SOURCE/POWER to turn on the unit.

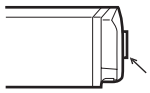
- *The unit can be turned on by pressing any other button except TITLE, Rotary encoder and (OPEN).*

Press and hold SOURCE/POWER for at least 2 seconds to turn off the unit.

- *The first time power is turned on, the volume will start from level 12.*

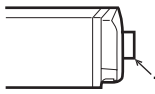
Detaching and Attaching the Front Panel

Be sure to push the Rotary encoder inside the unit before opening the front panel so that the front panel will open completely, otherwise it may be damaged.



Push the Rotary encoder inside

When you push the Rotary encoder again, it pops back out.

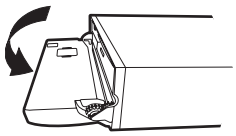


The Rotary encoder pops out

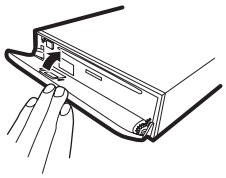
Detaching

1 Turn off the unit power.

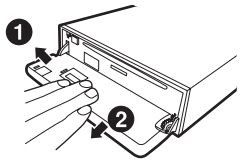
2 Press (OPEN) to open the front panel.



To close the front panel, press the left side until it locks as shown in the figure below.



3 Grasp the front panel firmly, slide to the left ❶, then pull ❷ to remove.

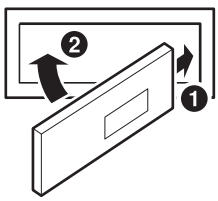


- *The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel.) This is not a malfunction.*
- *To protect the front panel, place it in the supplied carrying case.*
- *When detaching the front panel, do not apply excessive force as it may result in malfunction.*
- *Do not leave the front panel open, or drive the car with the panel open as it may result in accident or malfunction.*

Attaching

1 Insert the right side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.

2 Push the left side of the front panel until it locks firmly into the main unit.



- *Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.*
- *Attach the front panel carefully, holding the sides of the front panel to avoid pushing buttons by mistake.*

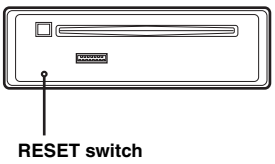
Initial System Start-Up

Be sure to press the RESET switch when using the unit for the first time, after changing the car battery, etc.

1 **Turn off the unit power.**

2 **Press ⏏ (OPEN) to open the front panel, then remove it.**

3 **Press RESET with a ballpoint pen or similar pointed object.**



Adjusting Volume

Turn the Rotary encoder until the desired sound is obtained.

Lowering Volume Quickly

Activating the Audio Mute function will instantly lower the volume level by 20 dB.

Press MUTE to activate the MUTE mode.
The audio level will decrease by about 20 dB.

Pressing MUTE again will bring the audio back to its previous level.

Setting Time

1 **Press TITLE repeatedly until the time is displayed.**
For details, see "Displaying the Text" (page 22)

2 **Press and hold TITLE for at least 2 seconds while the time is displayed.**
The time indication will blink.

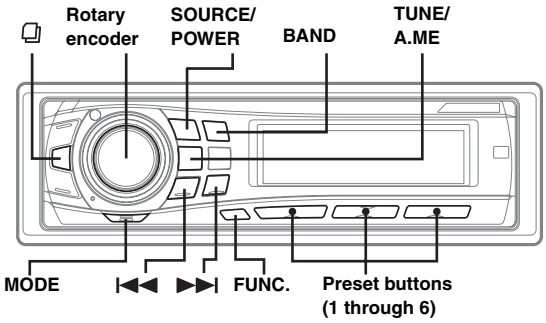
3 **Turn the Rotary encoder to adjust the hours while the time indication is blinking.**

4 **When the hour has been adjusted, press MODE.**

5 **Turn the Rotary encoder to adjust the minutes while the time indication is blinking.**
The time is automatically set 5 seconds after the minute adjustment. The time can also be manually set by pressing TITLE.

- *To synchronize the clock to another clock/watch or radio time announcement, press and hold **MODE** for at least 2 seconds after setting the "hour." Minutes will reset to 00. If the display shows over "30" minutes when you do this, the time will advance one hour.*

Radio



Listening to Radio

1 **Press SOURCE/POWER until a radio frequency appears in the display.**

2 **Press BAND repeatedly until the desired radio band is displayed.**

F1 (FM1) → F2 (FM2) → AM → F1 (FM1)

3 **Press TUNE/A.ME to select the tuning mode.**

DX SEEK (Distance mode) → SEEK (Local mode) → OFF (Manual mode) → DX SEEK

- *The initial mode is Distance mode.*

Distance mode:
Both strong and weak stations will be automatically tuned in (Automatic Seek Tuning).

Local mode:
Only strong stations will be automatically tuned in (Automatic Seek Tuning).

Manual mode:
The frequency is manually tuned in steps (Manual tuning).

4 **Press ⏮ or ⏭ to tune in the desired station.**
Holding down ⏮ or ⏭ will change the frequency continuously.

Manual Storing of Station Presets

1 **Select the radio band and tune in a desired radio station you wish to store in the preset memory.**

2 **Press and hold, for at least 2 seconds, any one of the preset buttons (1 through 6) into which you wish to store the station.**
The selected station is stored.
The display shows the band, preset number and station frequency memorized.

- *A total of 18 stations can be stored in the preset memory (6 stations for each band; FM1, FM2 and AM).*
- *If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.*

Automatic Memory of Station Presets

1 **Press BAND repeatedly until the desired radio band is displayed.**

2 **Press and hold TUNE/A.ME for at least 2 seconds.**
The frequency on the display continues to change while the automatic memory is in progress. The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored into buttons 1 to 6 in order of signal strength.
When the automatic memory has been completed, the tuner goes to the station stored in preset location No. 1.

- *If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began.*

Tuning to Preset Stations

1 **Press BAND repeatedly until the desired band is displayed.**

2 **Press any one of the station preset buttons (1 through 6) that has your desired radio station in memory.**
The display shows the band, preset number and frequency of the station selected.

Frequency Search Function

You can search for a radio station by its frequency.

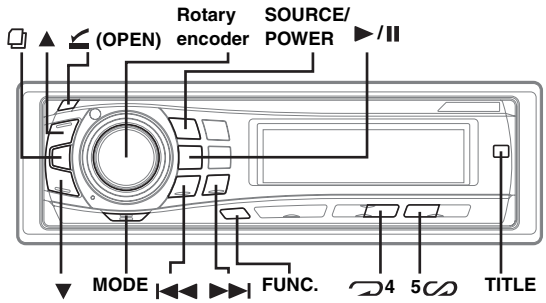
1 **Press and hold ⧉ for at least 2 seconds in Radio mode to activate Frequency Search mode.**

2 **Turn the Rotary encoder to select the desired frequency.**

3 **Press MODE to receive the selected frequency.**

- *Press and hold ⧉ for at least 2 seconds in the search mode to cancel. Or the search mode will be cancelled when an operation has not been performed in 10 seconds.*

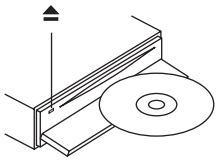
CD/MP3/WMA



Playback

1 **Press (OPEN).**
The front panel will open.

2 **Insert a disc with the label side facing up.**
The disc will be pulled into the unit automatically.



Close the front panel manually.
When a disc is already inserted, press SOURCE/POWER to switch to the CD mode.

TUNER → DISC → IPOD*1 → CHANGER*2 → TUNER

*1 *Only when the iPod is connected.*
*2 *Only when the CD changer is connected.*

3 **While playing back MP3/WMA, press ▲ or ▼ to select the desired folder.**
Pressing and holding ▲ or ▼ will change folders continuously.

4 **Press |◄◄ or ►►| to select the desired track (file).**

Returning to the beginning of the current track (file):
Press |◄◄.

Fast backward:
Press and hold |◄◄.

Advancing to the beginning of the next track (file):
Press ►►|.

Fast forward:
Press and hold ►►|.

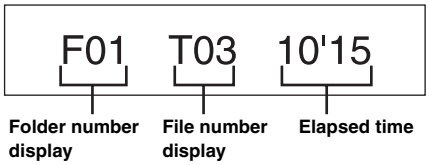
5 **To pause playback, press ►/II.**
Pressing ►/II again will resume playback.

6 **To eject the disc, press ⏏ after pressing (OPEN) to open the front panel.**

- *Do not remove a CD during its eject cycle. Do not load more than one disc at a time. A malfunction may result from doing either.*
- *If the CD does not eject, press and hold ⏏ for at least 2 seconds.*
- *The CD-player can play discs containing audio data, MP3 data and WMA data.*
- *A WMA format file that is protected by DRM (Digital Rights Management) cannot be played back on this unit.*
- *The track display for MP3/WMA data playback is the file numbers recorded on the disc.*
- *The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.*
- *If the HDA-5460 model is connected to the unit, some operations (for example changing the source, selecting the file by holding buttons up or down, etc.), can be carried out on this unit.*
- *If ▲ is pressed during M.I.X. DISC playback, new file will be played back in a random sequence. If ▼ is pressed, the beginning of the current file will be played back.*

MP3/WMA Play Display

The folder number and file number will be displayed as described below.



- *Press **TITLE** to switch the display. Please see "Displaying the Text" (page 22) for information about display switching.*
- *If the folder number or file number is three digits, F or T becomes numbers of hundred rank.*

Repeat Play

Press 4 to play back repeatedly the track being played.

The track (file) will be played repeatedly.

Press **4** again and select RPT ⊙ to deactivate repeat play.

CD mode :

RPT : Only a track is repeatedly played back
↓
RPT ⊙ : A disc is repeatedly played back
↓
(off)*1

*1 *When a CD changer is connected*

- *If REPEAT is set to ON during M.I.X. (M.I.X. ONE) play in CD changer mode, M.I.X. will apply to the current disc only.*

MP3/WMA mode :

RPT : Only a file is repeatedly played back
↓
RPT 🗀 : Only files in a folder are repeatedly played back
↓
RPT ⊙ : A disc is repeatedly played back
↓
(off)*2

*2 *When an MP3 compatible CD changer is connected*

- *If a 6-disc CD changer or an MP3 compatible CD changer is connected:*
  *In CD changer mode, press **FUNC.** to illuminate the "FUNC" indicator, and go to the step above within 10 seconds.*
- *If a 12-disc CD changer is connected:*
  *In CD changer mode, press **FUNC.** twice to illuminate the "FUNC" indicator, and go to the step above within 10 seconds.*

M.I.X. (Random Play)

Press 5 in the play or pause mode.

The tracks (files) on the disc will be played back in random sequence.

To cancel M.I.X. play, press **5** again.

Internal CD mode :

⊙ M.I.X. : The tracks are played back in random sequence.
↓
RPT ⊙ : M.I.X. mode off.

CD Changer mode :

M.I.X. : The tracks are played back in random sequence.
↓
⊙ M.I.X. : The tracks on all the CDs in the current magazine will be played back in the random sequence.
↓
(off)

- *If M.I.X. is set to ON during RPT ⊙ (REPEAT ALL) play in CD changer mode, M.I.X. will apply to the current disc only.*

MP3/WMA mode :

🗀 M.I.X. : Only files in a folder are played back in random sequence.
↓
⊙ M.I.X. : The files are played back in random sequence. If an MP3 compatible CD changer is connected, all files in a disc are played back in random sequence, and playback shifts to the next disc.
↓
RPT ⊙ or (OFF)* : M.I.X. mode off.

* *When an MP3 compatible CD changer is connected*

- *If a 6-disc CD changer or an MP3 compatible CD changer is connected:*
  *In CD changer mode, press **FUNC.** to illuminate the "FUNC" indicator, and go to the step above within 10 seconds.*
- *If a 12-disc CD changer is connected:*
  *In CD changer mode, press **FUNC.** twice to illuminate the "FUNC" indicator, and go to the step above within 10 seconds.*

Searching from CD Text

Tracks can be searched and played by using the CD text on the disc. In the case of discs and changers that do not support text, searches can be made by using the track numbers.

1 **Press ❑ during play.**
This will set the search mode.

2 **Turn the Rotary encoder to select the desired track, then press MODE.**
This will play the selected track.

- *Press and hold ❑ for at least 2 seconds in the search mode to cancel. Or, the search mode will be cancelled when an operation has not been performed in 10 seconds.*
- *CD text search cannot be made during M.I.X. play.*

File/Folder Name Search (concerning MP3/WMA)

You can display and search the folder and file name while listening to the file currently being played back.

Main Unit Operation

1 **During MP3/WMA playback, press ❑ to activate the search mode**

2 **Turn the Rotary encoder to select Folder Name Search mode or File Name Search mode, then press ❑.**

Folder Name Search mode

3 **Turn the Rotary encoder within 10 seconds to select the desired folder.**

4 **Press ▶/II to play back the first file in the selected folder.**

- *Press and hold ❑ for at least 2 seconds in the search mode to cancel. Or, the search mode will be cancelled when an operation has not been performed in 10 seconds.*
- *While in Folder Name Search mode, press ❑ to switch to File Name Search mode.*
- *While in Folder Name Search mode, press **FUNC**. to return to the selecting search mode.*
- *If a disc contains only the root folder, Folder Name Search cannot be made.*
- *"ROOT" is displayed for the root folder which does not have folder name.*
- *Folder Name search cannot be made during M.I.X. play.*

File Name Search mode

3 **Press ▲ or ▼ to select another Folder.**

4 **Select the desired file by turning the Rotary encoder within 10 seconds.**

5 **Press MODE to play back the selected file.**

- *Press and hold ❑ for at least 2 seconds in the search mode to cancel. Or, the search mode will be cancelled when an operation has not been performed in 10 seconds.*
- *While in the File Name Search mode, press **FUNC**. to switch to the previous mode (Folder Search mode or the selecting search mode.)*
- *File Name search cannot be made during M.I.X. play.*

Remote Control Operation

1 **Press and hold ▶/II /SEARCH for at least 2 seconds during playback.**
The Folder Name list is displayed on the optional monitor screen.

2 **Press ▲ or ▼ to select a folder name, then press ENT.**
The File Name list of the selected folder is displayed.

3 **Press ▲ or ▼ to select a file name, then press ENT.**
The selected file is played back.

- *When there are 8 or more names on the list, press ◀ or ▶ to change the page.*
- *Press **RETURN** to deactivate the Search mode during the Folder Name Search mode.*
- *While in File Name Search mode, press **RETURN** to switch to Folder Name Search mode.*
- *While in Folder Name Search/File Name Search mode, press and hold ▶/II /SEARCH for at least 2 seconds to cancel the Folder Name Search/File Name Search mode.*

About MP3/WMA

CAUTION

Except for private use, duplicating audio data (including MP3/WMA data) or distributing, transferring, or copying it, whether for free or for a fee, without permission of the copyright holder is strictly prohibited by the Copyright Act and by international treaty.

What is MP3?

MP3, whose official name is "MPEG-1 Audio Layer 3," is a compression standard prescribed by the ISO, the International Standardization Organization and MPEG which is a joint activity institution of the IEC.

MP3 files contain compressed audio data. MP3 encoding is capable of compressing audio data at extremely high ratios, reducing the size of music files to as much as one-tenth their original size. This is achieved while still maintaining near CD quality. The MP3 format realizes such high compression ratios by eliminating the sounds that are either inaudible to the human ear or masked by other sounds.

What is WMA?

WMA, or "Windows Media™ Audio," is compressed audio data. WMA is similar to MP3 audio data and can achieve CD quality sound with small file sizes.

Method for creating MP3/WMA files

Audio data is compressed by using MP3/WMA specified software. For details on creating MP3/WMA files, refer to the user's manual for that software.
MP3/WMA files that can be played back by this device have the file extension "mp3" / "wma". Files with no extension cannot be played back. (WMA ver. 7.1, 8 and 9 are supported)

Supported playback sampling rates and bit rates

MP3
Sampling rates: 32 kHz - 48 kHz
Bit rates: 32 - 320 kbps

WMA
Sampling rates: 32 kHz - 48 kHz
Bit rates: 32 - 320 kbps

Note that for sampling rates, this device's frame display (page 22) may not display correctly.
This device may not play back correctly depending on sampling rates.

ID3 tags/WMA tags

If tag data is in an MP3/WMA file, this device can display the title (track title), artist name, and album name ID3 tag/WMA tag data.

This device can only display single-byte alphanumeric characters and the underscore. For non-supported characters, "NO SUPPORT" is displayed.
The number of characters may be limited, or not correctly displayed, depending on the tag information.

Producing MP3/WMA discs

MP3/WMA files are prepared, then written to a CD-R or CD-RW (DVD-R/DVD-RW) using CD-R writing software. A disc can hold up to 1024 files/256 folders (including Root Folders).

Media supported

The media that this device can play back are CD-ROMs, CD-Rs, and CD-RWs.

Corresponding File Systems

This device supports discs formatted with ISO9660 Level 1 or Level 2.

Under the ISO9660 standard, there are some restrictions to remember.
The maximum nested folder depth is 8 (including the root directory). The number of characters for a folder/file name is limited.
Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and '_' (underscore).

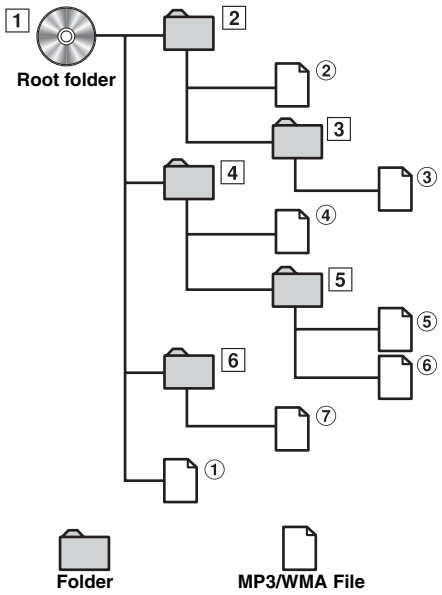
This device also can play back discs in Joliet, Romeo, etc., and other standards that conform to ISO9660. However, sometimes the file names, folder names, etc., are not displayed correctly.

Formats supported

This device supports CD-ROM, CD-ROM XA, Mixed Mode CD, Enhanced CD (CD-Extra) and Multi-Session.
This device cannot correctly play back discs recorded with Track At Once or packet writing.

Order of files

The unit plays the files in the order that the writing software writes them. Therefore, the playing order may not be the same as the order you input. The playback order of the folders and files is as follows. However, the folder and file playback order differs from the folder and file number indicated on the display.



Terminology

Bit rate

This is the "sound" compression rate specified for encoding. The higher the bit rate, the higher the sound quality, but also the larger the files.

Sampling rate

This value shows how many times per second the data is sampled (recorded). For example, music CDs use a sampling rate of 44.1 kHz, so the sound is sampled (recorded) 44,100 times per second. The higher the sampling rate, the higher the sound quality, but also the larger the volume of data.

Encoding

Converting music CDs, WAVE (AIFF) files, and other sound files into the specified audio compression format.

Tag

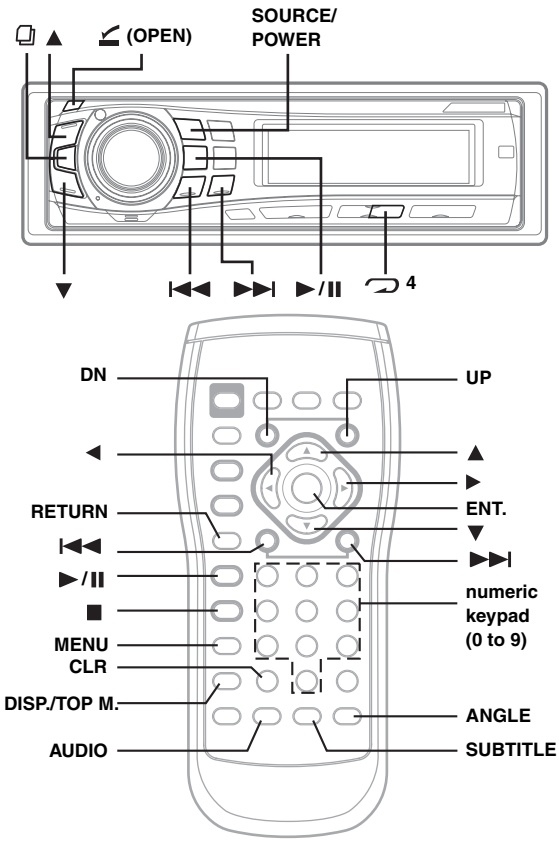
Song information such as track titles, artist names, album names, etc., written into MP3/WMA files.
MP3: ID3 tag
WMA: WMA tag

Root folder

The root folder is found at the top of the file system. The root folder contains all folders and files.

DVD/Video CD

In this section, both remote control and main unit operation are described.



- *DVD/Video CD operations can be performed from both the remote control and the main unit. In this section, both remote control and main unit operations are described.*
- *To view DVD/Video CD, the optional TV monitor is required.*
- *DVA-9861E automatically changes the video output signal (NTSC or PAL), according to the disc. To set NTSC or PAL on the connected monitor, refer to the Owner's Manual of the monitor.*

Disc types that can be used for each heading are represented by the following marks.

(DVD-A) DVD Commercial Audio discs can be used.

(DVD-V) DVD Commercial Video discs (used for the distribution of movies, etc.) or a DVD-R/DVD-RW/DVD+R/DVD+RW recorded in a video mode can be used.

(DVD-VR) DVD-R/DVD-RW discs recorded in DVD-VR mode can be used.

(VCD) Video CD discs can be used.

Playing a Disc (DVD-A) (DVD-V) (DVD-VR) (VCD)

Caution

- *Not all functions will operate for every DVD. See the individual DVD's instructions for details on the features supported.*
- *Fingerprints on a disc may adversely affect playback. If a problem occurs, remove the disc and check for fingerprints on the playback side. Clean the disc if necessary.*
- *When using the remote control, be careful to press only one button at a time. Pressing multiple buttons at the same time may cause erroneous operation.*
- *If you try to perform an invalid operation (based on the type of disc being played), the following mark is displayed on the monitor screen:* ⃠

Play Position Memory Function

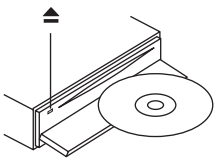
Even if you turn power off or switch the Ignition Key to OFF during playback or change the source, playback will continue from the point where playback stopped when the power is turned ON again.

1 Press ⏍ (OPEN).

The front panel will open.

2 Insert a disc with the label side facing up.

The disc will be pulled into the unit automatically.



Close the front panel manually.

When a disc is already inserted, press SOURCE/POWER to switch to the CD mode.

TUNER → DISC → IPOD*1 → CHANGER*2 → TUNER

*1 *Only when the iPod is connected.*

*2 *Only when the CD changer is connected.*

3 To eject the disc, press ⏏ after pressing ⏍ (OPEN) to open the front panel.

- *Do not remove a disc during its eject cycle. Do not load more than one disc at a time. A malfunction may result from doing either.*
- *If the disc does not eject, press and hold ⏏ for at least 2 seconds.*
- *The reverse side of a double-sided DVD will not be played automatically. Remove the disc, turn it over, and reinsert it.*
- *Never insert map discs for navigation purposes as they could damage the equipment.*
- *Refer also to "DVD Setup" (pages 25 to 27).*

If a menu screen appears

On DVDs and video CDs with playback control (PBC), menu screens may appear automatically. If this happens, perform the operation described below to start playback.

- *This operation is controlled using the remote control unit.*
- *For many discs, the menu screen can also be displayed by pressing **MENU**.*

DVD menu (DVD-A) (DVD-V)

Press ▲, ▼, ◄ or ► to select the desired item, then press ENT.

- *For some discs it is possible to select items directly from the menu screen using the **numeric keypad** ("0" to "9").*
- *If the DVD-Audio disc is set to "VCAP", operation can be performed. (Refer to "Setting the DVD Audio Playback Mode" on page 30.)*

Video CD menu (VCD)

Use the numeric keypad ("0" to "9") to select the desired number, then press ENT.

- *The menu screen does not appear when the PBC function is turned off. In this case, set VCD PLAY MODE to turn on the PBC function. For details, refer to "Setting the Video CD Play Mode" (page 30).*

Searching by Programme (DVD-VR)

- *This operation is performed by the remote control unit.*

1 **Press and hold DISP./TOP M. for at least 2 seconds while playing a DVD-VR disc.**
The programme search list screen is displayed.

2 **Press ▲ or ▼ to select the desired programme, then press ENT.**
The selected programme is played back.

- *If PLAY LIST is selected, the playlist search list screen is displayed.*

Searching by Playlist (DVD-VR)

- *This operation is performed by the remote control unit.*

1 **Press MENU while playing DVD-VR disc.**
The playlist search list screen is displayed.

2 **Press ▲ or ▼ to select the desired playlist, then press ENT.**
The selected playlist is played back.

- *Only discs containing a playlist can be operated.*
- *If PROGRAM LIST is selected, the programme search list screen is displayed.*

Stopping Playback (PRE-STOP)

(DVD-A) (DVD-V) (DVD-VR) (VCD)

Press ■ during playback to stop playback. That position is stored in memory.

1 **During playback, press ■ on the remote control unit.**
"PRE-STOP" is displayed.

2 **Press ►/II in the PRE-STOP mode.**
Playback starts from the position at which it was stopped.

- *For some discs, the position at which playback was stopped may not be accurate.*
- *When "VOFF" is set, PRE-STOP function is not available for the DVD Audio disc. (Refer to "Setting the DVD Audio Playback Mode" on page 30.)*

Stopping Playback

(DVD-A) (DVD-V) (DVD-VR) (VCD)

During playback, press ■ twice on the remote control unit.
"STOP" is displayed, and playback stops.

- *Playback stops also when ■ is pressed for more than 2 seconds.*
- *Playback starts from the beginning when ►/II is pressed while playback is stopped.*
- *When VOFF is set, press ■ once to stop DVD audio playback (STOP). Refer to "Setting the DVD Audio Playback Mode" (page 30).*

Fast-forwarding/Fast-reversing

(DVD-A) (DVD-V) (DVD-VR) (VCD)

DVD Audio (VCAP mode)*/DVD Video/Video CD

1 **During playback, press and hold I◄◄ (fast-reverse) or ►►I (fast-forward).**
When pressed for more than 1 second, the disc is forwarded/reversed at double speed.
When held in 5 more seconds, the disc is forwarded/reversed at 8 times the normal speed.
When held in 10 more seconds, the disc is forwarded/reversed at 21 times the normal speed.

2 **Release I◄◄ or ►►I to return to normal playback.**

DVD Audio (VOFF mode)*

1 **During playback or pause, press and hold I◄◄ (fast-reverse) or ►►I (fast-forward).**
When pressed for more than 1 second, the disc is forwarded/reversed at 21 times the normal speed.

2 **Release I◄◄ or ►►I to return to normal playback.**

* *Set "VCAP" (Video Capable Audio Player) or "VOFF" (Video OFF) in Custom Setup. For details, refer to "Setting the DVD Audio Playback Mode" (page 30).*

- *No sound is played during fast-forwarding/fast-reversing.*
- *Fast-forwarding/fast-reversing of only a track being played back can be made on the Video CD equipped with PBC (play back control).*
- *For DVDs and video CDs with playback control (PBC), the menu screen may reappear during fast-forwarding/fast-reversing.*

Finding the Beginning of Chapters or Tracks (DVD-A) (DVD-V) (DVD-VR) (VCD)

During playback, press ⏮ or ⏭.
The chapter/track switches each time the button is pressed, and playback of the selected chapter/track starts.

⏭: Press this to start playback from the beginning of the following chapter or track.
⏮: Press this to start playback from the beginning of the current chapter or track.

- *Some DVDs do not have chapters.*
- *The beginning of a track may not be found on the Video CD equipped with PBC (playback control). Set VCD PLAY MODE to turn the PBC function off. Refer to "Setting the Video CD Play Mode" (page 30).*
- *During pause, operation can be performed for DVD Audio.*

Supplementary explanations
"**Chapters**" are divisions of movies or musical selections on DVDs.
"**Tracks**" are divisions of movies or musical selections on video and music CDs.
"**Groups**" associate a track (one song) with other tracks stored on a DVD-Audio.
Group playback differs, depending on the disc.
"**Playlists**" specify a range of images and their playback order.
- *Only discs containing a playlist can be used.*

Selecting Programme/Playlist (DVD-VR)

During playback or pause, press ▲, ▼ on the unit or UP, DN on the remote control to select the previous or next programme/playlist.
The programme/playlist switches each time the button is pressed, and playback of the selected programme/playlist starts.

▲, UP: Press this to start playback from the beginning of the following programme or playlist.
▼, DN: Press this to start playback from the beginning of the previous programme or playlist.

- *Only if playlists are managed on the disc, playlist can be selected and operation can be performed.*

Playing Still Frames (pausing)

(DVD-A) (DVD-V) (DVD-VR) (VCD)

1 **During playback, press ⏯.**

2 **Press ⏯ to resume playback.**

- *No sound is played during the still mode.*
- *The image or sound may stop temporarily when playback starts from the pause mode. This is not a malfunction.*

Forward/reverse frame-by-frame Playback (DVD-V) (DVD-VR) (VCD)

1 **In the pause mode, press ⏮ or ⏭.**
The picture advances or reverses by one frame each time the button is pressed.

2 **Press ⏯ to resume normal playback.**

- *No sound is output during forward/reverse frame-by-frame playback.*
- *For DVD-VR and video CD, reverse frame-by-frame playback is not available.*

Slow Motion Playback

(DVD-V) (DVD-VR) (VCD)

1 **When ⏮ or ⏭ is pressed and held in while in the pause mode, the 1/8th speed slow motion playback mode is set.**
When held in for 5 more seconds, the slow motion speed switches to 1/2 the normal speed.

2 **Release ⏮ or ⏭ to pause, and press ⏯ to playback.**

- *No sound is played during slow motion playback.*
- *Slow playback is not available when playing back a slide show.*
- *1/2 and 1/8 are approximate speeds. The actual speed differs from disc to disc.*
- *For DVD-VR and video CD, reverse slow motion playback is not available.*

Searching by Title Number (DVD-V)

Use this function to easily find positions on the DVD using the DVD's title.

- *This operation is performed by the remote control unit.*

1 **When playback stops, input the number of the title you want to play using the numeric keypad ("0" to "9").**

2 **Press ENT.**
Playback starts from the selected title number.

- *While in PRE-STOP, this function finds the beginning of the chapter by its number.*
- *This function cannot be used on discs on which no title numbers are recorded.*
- *Press **CLR** to delete the last digit in the title number. Press and hold **CLR** for at least 2 seconds to cancel the input mode.*
- *The playback starts automatically for two digit title numbers even if **ENT.** in procedure 2 is not pressed.*

Searching by Group Number (DVD-A)

A group number on a DVD identifies various audio sections similar to chapters for video. Use this function to easily find positions on the DVD using the its group number.

- *This operation is performed by the remote control unit.*

1 When playback stops, input the number of the group you want to play using the numeric keypad ("0" to "9").
Playback starts from the selected group number.

- *While in PRE-STOP, this function finds the beginning of the track by its number. For operation, refer to "Searching Directly by Chapter or Track Number" (page 17).*
- *This function cannot be used on discs on which no group numbers are recorded.*

Searching by Programme or Playlist Number (DVD-VR)

Use this function to easily find positions on the DVD using the DVD's programme/Playlist.

- *This operation is performed by the remote control unit.*

1 When playback stops, input the number of the programme or playlist you want to play using the numeric keypad ("0" to "9").

2 Press ENT.
Playback starts from the selected programme or playlist number.

- *While in PRE-STOP, this function finds the beginning of the chapter by its number.*
- *This function cannot be used on discs on which no programme or playlist numbers are recorded.*
- *Press **CLR** to delete the last digit in the programme or playlist number. Press and hold **CLR** for at least 2 seconds to cancel the input mode.*
- *Depending on the number of digits input, playback may start automatically even if **ENT.** is not pressed in step 2.*

Searching Directly by Chapter or Track Number (DVD-A) (DVD-V) (DVD-VR) (VCD)

Use this function to easily move to the beginning of the chapters or tracks on the disc.

- *This operation is performed by the remote control unit.*

1 During playback, pre-stop or pause, input the chapter or track number you want using the numeric keypad ("0" to "9").

2 Press ENT.
Playback starts from the selected chapter or track.

- *This function cannot be used on discs on which no chapter numbers are recorded.*
- *During stop, search can be made for Video CD.*
- *The beginning of a track number cannot be directly found on the Video CD equipped with PBC (playback control). Set VCD PLAY MODE to turn the PBC function off. Refer to "Setting the Video CD Play Mode" (page 30).*
- *Depending on the number of digits input, playback may start automatically even if **ENT.** is not pressed in step 2.*
- *Press **CLR** to delete the last digit in the chapter/track number. Press and hold **CLR** for at least 2 seconds to cancel the input mode.*

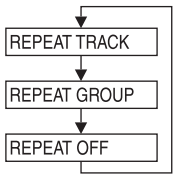
Repeat Playback

(DVD-A) (DVD-V) (DVD-VR) (VCD)

Use this function to play the disc's titles, chapters, tracks, etc. repeatedly.

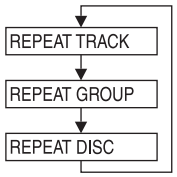
During playback, press 4 on the main unit.
The repeat mode switches each time the button is pressed.

DVD Audio (VCAP mode)*1



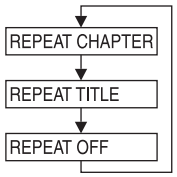
The track is played repeatedly.
The group is played repeatedly.
The mode returns to normal playback. (Factory default)

DVD Audio (VOFF mode)*1



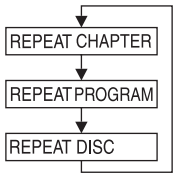
The track is played repeatedly.
The group is played repeatedly.
The entire disc is played repeatedly. (Factory default)

DVD Video



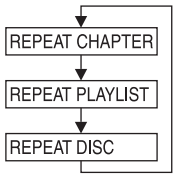
The chapter is played repeatedly.
The title is played repeatedly.
The mode returns to normal playback. (Factory default)

DVD-VR (while playing back programme)



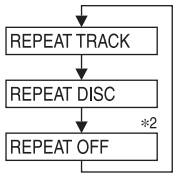
The chapter is played repeatedly.
The programme is played repeatedly.
All programmes are played repeatedly. (Factory default)

DVD-VR (while playing back playlist)



The chapter is played repeatedly.
The playlist is played repeatedly.
The mode returns to normal playback. (Factory default)

VIDEO CD



The track is played repeatedly.

The entire disc is played repeatedly. (Factory default)

Playback does not repeat.

*[1] *Set "VCAP" or "VOFF" in Custom Setup. For detail, refer to "Setting the DVD Audio Playback Mode" (page 30).*
*[2] *Displayed only in the changer mode.*

- *The track/disc repeat modes cannot be used on video CDs with playback control (PBC). Set VCD PLAY MODE to turn the PBC function off. Refer to "Setting the Video CD Play Mode" (page 30).*
- *For some discs it is not possible to switch the repeat mode.*
- *During DVD Video playback, pressing and holding ↻4 for at least 2 seconds will change the unit to REPEAT OFF.*

Switching the Audio Tracks

DVD-A DVD-V DVD-VR VCD

For discs with multiple audio or audio languages, you can switch the audio language temporarily during playback.

- *This operation is performed by the remote control unit.*

During playback, press AUDIO.
The sound switches between the alternate audio tracks recorded on the disc each time the button is pressed.

- *The selected audio track becomes the default setting every time the power is turned on or the disc is replaced. If a disc does not include the language you selected for the default audio track, the disc's default language is selected instead. Refer to "Setting the language" (page 26).*
- *Not all discs will allow changing the alternate audio tracks during playback. In these cases, select audio tracks from the DVDs menu.*
- *There may be a delay before the selected alternate track begins to play.*

DVD-VR/Video CDs with multiplex audio

DVD-VR

During playback, press and hold AUDIO for at least 2 seconds.
The left and right channels will be output as shown below, each time the button is pressed.

LR → LL → RR → LR

Video CD

During playback, press AUDIO.
The left and right channels will be output as shown below, each time the button is pressed.

LR → LL → RR → LR

Switching the Angle DVD-A DVD-V

On DVDs in which scenes have been filmed from multiple angles, the angle can be switched during playback.

- *This operation is performed by the remote control unit.*

During playback, press ANGLE.
The angle switches between the angles recorded on the disc each time the button is pressed.

- *Some time may be required for the angle to change.*
- *Depending on the disc, the angle may switch in one of two ways.*
  - *Seamless: The angle switches smoothly.*
  - *Non-seamless: When the angle is switched, a still picture is displayed first, after which the angle switches.*
- *If the DVD-Audio disc is set to "VCAP", operation can be performed. (Refer to "Setting the DVD Audio Playback Mode" on page 30.)*

Switching the Subtitles (subtitle language) DVD-A DVD-V DVD-VR

With multiple subtitle language DVDs, the subtitle language can be switched during playback, or subtitles can be hidden.

- *This operation is performed by the remote control unit.*

During playback, press SUBTITLE.
The subtitle switches between the languages recorded on the disc and OFF each time the button is pressed.
During DVD-VR playback, the display of the subtitle is set to ON or OFF.

- *There may be a delay before the selected subtitle appears.*
- *Not all discs will allow changing the subtitles during playback. In these cases, select subtitles from the DVD's menu.*
- *The selected subtitle language becomes the default setting every time the power is turned on or the disc is replaced. If a disc does not include that language, the disc's default language is selected instead. Refer to "Setting the language" (page 26).*
- *For some discs, the subtitles will be displayed even when this is set to off.*
- *If the DVD-Audio disc is set to "VCAP", operation can be performed. (Refer to "Setting the DVD Audio Playback Mode" on page 30.)*

Tips

Switching from the disc menu.
For some discs, the audio language, angle and subtitles can be switched from the disc menu.

DVD Video

1. Press MENU, select the item, then press ENT.
2. Press ▲, ▼, ◀ or ▶ to select the language or angle, then press ENT.
   (For some discs, they can be selected using the number keys "0" to "9" while the language or the angle menu is displayed.)

DVD Audio

1. Press and hold DISP./TOP M., select the item, then press ENT.
2. Press ▲, ▼, ◀ or ▶ to select the language or angle, then press ENT.
   (For some discs, they can be selected using the number keys "0" to "9" while the language or the angle menu is displayed.)

- *If the DVD-Audio disc is set to "VCAP", operation can be performed. (Refer to "Setting the DVD Audio Playback Mode" on page 30.)*

Displaying the Disc Status

DVD-A DVD-V DVD-VR VCD

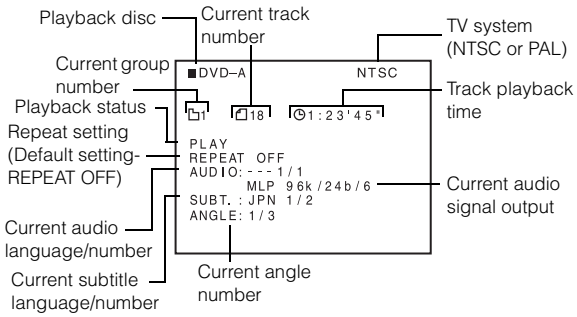
Use the procedure described below to display the status (title number, chapter number, etc.) of the currently playing DVD on the monitor screen.

- *This operation is performed by the remote control unit.*

During playback, press DISP./TOP M.
The playback status is displayed.

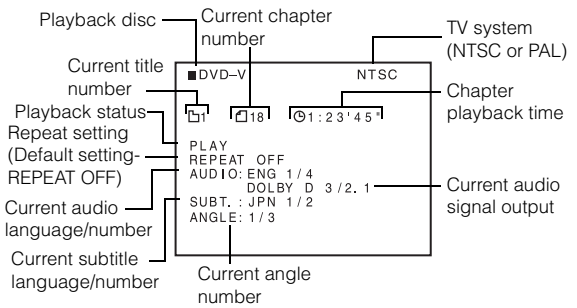
The playback status display closes when DISP./TOP M. is pressed again.

DVD Audio display example

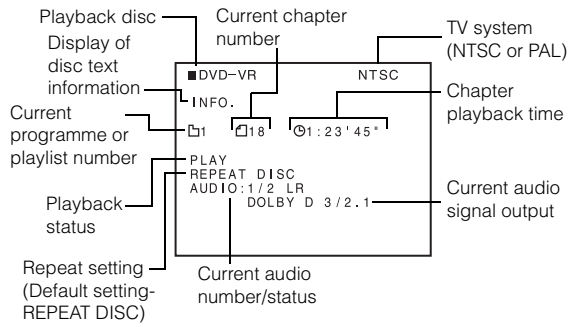


- *If the DVD-Audio disc is set to "VCAP", operation can be performed. (Refer to "Setting the DVD Audio Playback Mode" on page 30.*

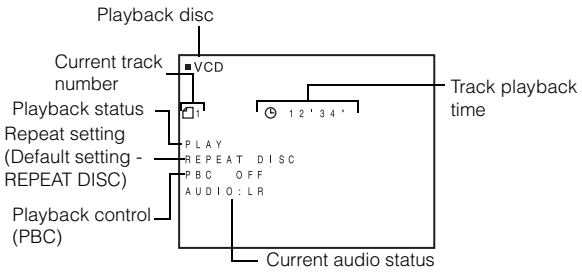
DVD Video display example



DVD-VR display example



Video CD display example



- *When PBC is set to ON, the current track number and track playback time is not displayed.*

Scroll to Move the Page Forward or Back

DVD-A

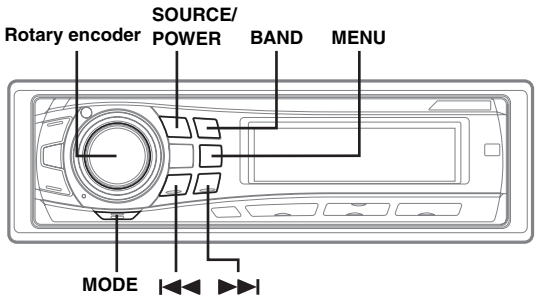
"Page" is still image stored on a DVD-Audio disc.

- *This operation is performed by the remote control unit.*

During playback, press and hold 1 for at least 2 seconds to display the previous still image. Pressing and holding 2 for at least 2 seconds will display the next still image. Pressing and holding 3 for at least 2 seconds will display the home page.

- *For DVD-Audio discs without Pages, depending on the DVD-Audio disc, the "Page" function may not be operable if images are in slide show form.*
- *If the DVD-Audio disc is set to "VCAP", operation can be performed. (Refer to "Setting the DVD Audio Playback Mode" on page 30.)*

Sound Setting



Adjusting Bass/Treble/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat

1 Press MODE repeatedly to choose the desired mode.

Each press changes the modes as follows:

BASS → TREBLE → SUBW* → BALANCE → FADER → DEFEAT → VOLUME → BASS

Bass level: –7 ~ +10
Treble level: –7 ~ +7
Subwoofer : 0 ~ +15
Balance : L15 ~ R15
Fader : R15 ~ F15
Defeat : ON/OFF
Volume : 0 ~ 35

- *If **MODE** is not pressed within 5 seconds after selecting the BASS, TREBLE, BALANCE, FADER, DEFEAT or SUBW mode, the unit automatically returns to normal mode.*

* *When the subwoofer mode is set to OFF, its level cannot be adjusted.*

2 Turn the Rotary encoder until the desired sound is obtained in each mode.
By setting Defeat ON, previously adjusted settings of BASS and TREBLE will return to the factory defaults.

- *Depending on the connected devices, some functions and display indications do not work.*

Setting the Bass Control

You can change the Bass Frequency emphasis to create your own tonal preference.

1 Press MENU to select the BASS ENGINE mode, then press MODE.

BBE → BASS ENGINE → SETUP → RETURN (OFF) → BBE

2 Press |◄◄ or ►►| to select the BASS (bass Centre frequency) control mode.

BASS ↔ TREBLE

Setting the Bass Centre Frequency

3-1 Press SOURCE/POWER to select the desired bass centre frequency.

80Hz → 100Hz → 120Hz → 60Hz → 80Hz

Emphasizes the displayed bass frequency ranges.

Setting the Bass Bandwidth

3-2 Press BAND to select the desired bass bandwidth.

→ 1 → 2 → 3 → 4 →
(Narrow) ←·····→ (Wide)

Changes the boosted bass bandwidth to wide or narrow. A wide setting will boost a wide range of frequencies above and below the centre frequency. A narrower setting will boost only frequencies near the centre frequency.

Setting the Bass Level

3-3*1 Turn the Rotary encoder to select the desired bass level (–7~+10).
You can emphasize or weaken the bass level.

4 Press MENU to select RETURN.
After 2 seconds, the unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *If no operation is performed within 60 seconds, the bass control setting will be turned off automatically.*
- *The bass level settings will be individually memorized for each source (FM, AM, CD, etc.) until the setting is changed. The bass frequency and bass band width settings adjusted for one source are effective for all other sources (FM, AM, CD etc.).*
- *Depending on the connected devices, some functions and display indications do not work. However, Bass Level is still adjustable if an audio processor with the Bass function is connected.*
- *This function is inoperable when DEFEAT is set to ON.*
- *While in the bass adjusting mode, TREBLE CONTROL adjusting mode can be recalled by pressing |◄◄ or ►►|.*

*1 *The adjustment can also be made by pressing **MODE**. Refer to "Adjusting Bass/Treble/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat" (page 20).*

Setting the Treble Control

You can change the Treble Frequency emphasis to create your own tonal preference.

1 Press MENU to select the BASS ENGINE mode, then press MODE.

BBE → BASS ENGINE → SETUP → RETURN (OFF) → BBE

2 Press ◄◄ or ►► to select the TREBLE (treble Centre frequency) control mode.

BASS ↔ TREBLE

Setting the Treble Centre Frequency

3-1 Press SOURCE/POWER to select the desired treble Centre frequency.

10.0kHz → 12.5kHz → 15.0kHz → 7.5kHz → 10.0kHz

Emphasizes the displayed Treble frequency ranges.

Setting the Treble Level

3-2*[2] Turn the Rotary encoder to select the desired treble level (–7~+7).
You can emphasize the treble level.

4 Press MENU to select RETURN.
After 2 seconds, the unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

- *If no operation is performed within 60 seconds, the treble control setting will be turned off automatically.*
- *The treble level settings will be individually memorized for each source (FM, AM, CD, etc.) until the setting is changed. The Treble frequency settings adjusted for one source are effective for all other sources (FM, AM, CD, etc.).*
- *Depending on the connected devices, some functions and display indications do not work. However, Treble Level is still adjustable if an audio processor with the Treble function is connected.*
- *This function is inoperable when DEFEAT is set to ON.*
- *While in the treble adjusting mode, BASS CONTROL adjusting mode can be recalled by pressing ◄◄ or ►►.*

*[2] *The adjustment can also be made by pressing **MODE**. Refer to "Adjusting Bass/Treble/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat" (page 20).*

Setting the BBE Mode

BBE makes vocals or instruments sound distinct regardless of the music source. The FM radio, CD, and MP3, will be able to reproduce the music clearly even in cars with a lot of road noise.

1 Press SOURCE/POWER to select the source to which you want to apply BBE.

2 Press MENU to select BBE mode, then press MODE.

BBE → BASS ENGINE → SETUP → RETURN (OFF) → BBE

3 Press ►► to set the BBE mode ON.

BBE OFF* ⟷ **BBE ON**
(BBE 1 to 3, EFFECT OFF)

4 Turn the Rotary encoder to select your preferred BBE level (1 to 3) or EFFECT OFF.

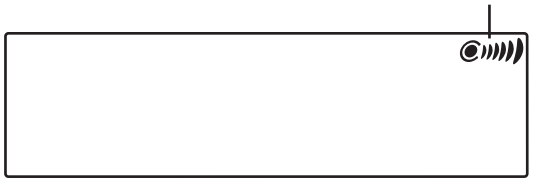
5 Press MENU to select RETURN.
After 2 seconds, the unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

* *To cancel BBE mode for all music sources, press ◄◄ to select BBE OFF in step 3.*

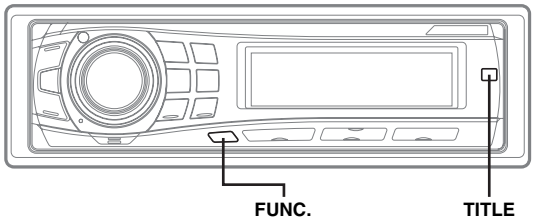
- *Each music source, such as FM radio, CD (included MP3/WMA) can have its own BBE setting.*
- *This function is inoperable when DEFEAT is set to ON.*
- *There is no BBE mode for AM radio.*
- *When an external audio processor is connected, this setting cannot be made.*
- *If no operation is performed in 60 seconds, the unit returns to normal mode.*

Displays the level indication

Bass Level is usually displayed. When BBE is activated, the display changes according to the BBE setting.



Other Functions



Displaying the Text

Text information, such as the disc name and the track name, will be displayed if playing a CD text compatible disc. It is also possible to display the folder name, the file name, and the tag, etc., while playing MP3/WMA files.

Press **TITLE**.

The display will change every time the button is pressed.

The display in Radio mode:

FREQUENCY → CLOCK → FREQUENCY

The display in CD mode:

TRACK NO./ELAPSED TIME → TRACK NO./CLOCK → TEXT (DISC NAME)*1 → TEXT (TRACK NAME)*1 → TRACK NO./ELAPSED TIME

The display in MP3/WMA mode:

FOLDER NO./FILE NO./ELAPSED TIME → FOLDER NO./FILE NO./CLOCK → FOLDER NAME*2 → FILE NAME*2 → ARTIST NAME*3 → ALBUM NAME*3 → SONG NAME*3 → FRAME*4 → FOLDER NO./FILE NO./ELAPSED TIME

*1 *Displayed during playback of a disc with CD Text.*
If there is no Text (Disc Name or Track Name), "DISC TEXT"/"TRACK TEXT" is displayed. "D TEXT"/"T TEXT" is displayed for changer.

*2 *"ROOT" is displayed for the folder name of the root folder which does not have folder name.*
If there is no folder name or file name, "FOLDER"/"FILE" is displayed.

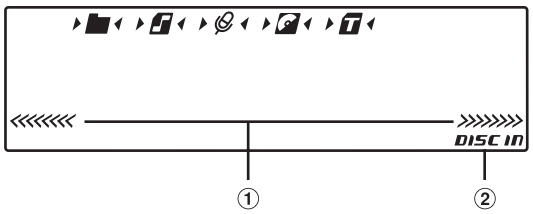
*3 *ID3 tag/WMA tag*
If an MP3/WMA file contains ID3 tag/WMA tag information, the ID3 tag/WMA tag information is displayed (song name, artist name, and album name). All other tag data is ignored.
If the Scroll Setting (page 24) is set to "SCROLL AUTO," the tag information will scroll automatically.
If there is no tag information, "ARTIST"/"ALBUM"/"SONG" is displayed.

*4 *The recording sampling rate and bit rate of the MP3/WMA file are displayed. A WMA file of variable bit rate displays the average bit rate.*

- *You cannot display title or text information for DVD or video CD.*

About the indication display

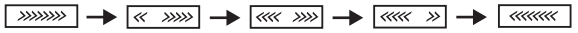
When displaying Text, the following indicators are lit according to the mode.



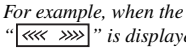
① **The position of a song being played back is shown lit in the total number of songs shown. The display example is as shown below. Also lights when operation, such as fast forward, etc., is performed.**

② **Lights up when a disc is inserted**

Song position display example



<First half> **<Middle>** **<Last half>**

- *For example, when the 5th of 10 songs in the disc is played back, "  " is displayed.*

Indicator/ Mode	CD Mode	MP3/ WMA Mode	iPod Mode
	—	Folder Name being displyed	—
	—	File Name being displayed	—
	—	Artist Name being displayed	Artist Name being displayed
	Text (Disc Name) being displayed	Album Name being displayed	Album Name being displayed
	Text (Track Name) being displayed	Song Name being displayed	Song Name being displayed

About "Text"

Text:

Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as "text."

- *Some characters may not be displayed correctly with this device, depending on the character type.*
- *The CD changer must also be CD Text compatible for the Text information to be displayed.*
- *When the Scroll Setting (page 24) is set to "SCROLL MANU," press and hold **TITLE** for at least 2 seconds to scroll the Text information only once (TEXT DISPLAY, FOLDER NAME DISPLAY, FILE NAME DISPLAY or TAG DISPLAY mode).*
- *"NO SUPPORT" is displayed when the desired text information cannot be displayed on this unit.*
- *The text or tag information may not be correctly displayed, depending on the contents.*

Displaying Time

Press TITLE repeatedly until the time is displayed.

Each press changes the display.
For details, see "Displaying the Text" (page 22).

- *Selecting any tuner or CD function while in the clock priority mode will interrupt the time display momentarily. The function selected will be displayed for about 5 seconds before the time returns to the display.*
- *When the power is off but the ignition key is on, press **TITLE** to display the time.*

Blackout Mode On and Off

When Blackout mode is turned on, the display and button illumination will turn off to reduce power consumption. This additional power enhances the sound quality.

Press and hold FUNC. for at least 2 seconds to activate the blackout mode.
The display and button illumination will turn off.

- *If any button on the unit is pressed during the blackout mode, the function will be displayed for 5 seconds to show the operation before returning to Blackout mode.*

To cancel Blackout mode, press and hold FUNC. for at least 2 seconds

Setting the Wallpaper

A data file downloaded from the ALPINE Owner's website is written to a CD-R/CD-RW disc, and automatically uploaded when the disc is inserted into the DVA-9861E.
The wallpaper file can be saved and displayed as long as a disc is not inserted, or while playing a CD/MP3/WMA audio, or if a DVD disc is stopped.

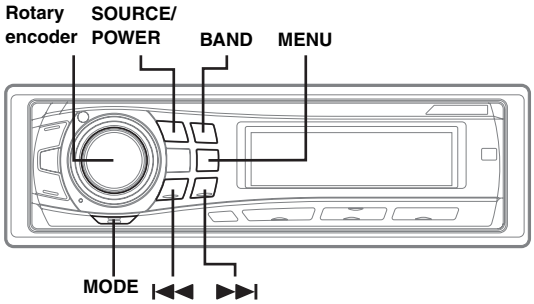
- *If several files are stored in a disc, only the first file will be stored on the unit.*

Insert a CD-R/CD-RW disc containing data.
After sensing the disc, the data file is updated.

- *Up to 2 files can be stored on this unit. If a third file is downloaded, the first file is overwritten and new one memorized.*
- *To change the wallpaper, press and hold **ENT.** on the remote control unit for at least 2 seconds while disc is not inserted, or while PRE-STOP or STOP is set in disc mode.*
- *Even if the battery power cable is removed, the downloaded data is not cleared.*

SETUP

You can flexibly customize the unit to suit your own preferences and usage. Choose the SETUP menu from Sound Customizing, Visual Customizing, etc., to select your desired setting.



A typical SETUP procedure is shown in steps 1 to 4 as follows. See below for further information about each SETUP menu.

1 Press MENU to select the SETUP mode, then press MODE.

BBE → BASS ENGINE → SETUP → RETURN (OFF) → BBE

SETUP mode is activated.

2 Press ◀◀ or ▶▶ to select the desired SETUP menu, then press MODE.
(e.g. Select SUBWOOFER)

DIMMER ↔ SUBWOOFER ↔ (SUBW SYSTEM)*1 ↔ PLAY MODE ↔ SCROLL TYPE ↔ TEXT SCROLL ↔ INT MUTE ↔ AUX IN ↔ (AUX NAME)*2 ↔ POWER IC ↔ OPT OUTPUT ↔ DEMO ↔ DIMMER

*1 *Displayed only when SUBW is ON.*
*2 *Displayed only when AUX is ON.*

3 Turn the Rotary encoder to change the setting.
(e.g. Select SUBW ON or SUBW OFF.)

4 Press MENU to select RETURN.
After 2 seconds, the unit returns to normal mode.
Pressing and holding MENU for at least 2 seconds will return to normal mode.

Sound Customizing

Subwoofer On and Off

SUBW ON (Initial setting) / SUBW OFF

When the subwoofer is on, perform the steps below to adjust the subwoofer output level.

1 In the normal mode, press MODE repeatedly to select the SUBW mode.

BASS → TREBLE → SUBW → BALANCE → FADER → DEFEAT → VOLUME → BASS

2 Adjust the level by turning the Rotary encoder.

Setting the Subwoofer System

SUBW SYS1 (Initial setting) / SUBW SYS2

Select either SYS1 or SYS2 for the desired subwoofer effect.

SUBW SYS1: Subwoofer level changes according the main volume setting.

SUBW SYS2: Subwoofer level change is different from the main volume setting. For example, even at low volume settings, the subwoofer is still audible.

Visual Customizing

Dimmer Control

DIMMER AUTO (Initial setting) / DIMMER MANU

Set the DIMMER control to AUTO to decrease the illumination brightness of the unit with the head lights of the vehicle ON. This mode is useful if you feel the unit's backlighting is too bright at night.

Scroll Type Setting

SCROLL TYPE1 / SCROLL TYPE2 (Initial setting)

Choose from two scrolling methods.
Select the type you prefer.

SCROLL TYPE1: The characters scroll sequentially, appearing from the right side of the display.

SCROLL TYPE2: The characters are displayed one by one, and disappear one by one from the left side of the display after the screen is filled up with the characters.

Scroll Setting (TEXT SCROLL)

SCROLL AUTO / SCROLL MANU (Initial setting)

This CD player can scroll the disc and track names recorded on CD-TEXT discs, as well as the text information of MP3/WMA files, folder names, and tags.

SCROLL AUTO: Text information of CD, folder and file names are scrolled automatically. Also, tag information is automatically scrolled without pressing TITLE in the tag information display mode.

SCROLL MANU: The display is scrolled when a disc is loaded or when a track is changed, etc.

Demonstration

DEMO ON / DEMO OFF (Initial setting)

This unit has a demonstration feature for the display.

- *To quit Demo mode, set to DEMO OFF.*

External Device

Connecting an MP3 Changer (PLAY MODE)

CDDA (Initial setting) / CDDA/MP3

Perform this setting when connecting MP3 changer. MP3 changer can playback CDs containing both CD and MP3 data. However, in some situations (some enhanced CDs), playback may be difficult. For these special cases, you can select playback of CD data only. When a disc contains both CD or the MP3 data, playback starts from the CD data portion of the disc.

CDDA : Only CD data can be played back.

CDDA/MP3 : Both CD data and MP3 file tracks can be played back.

- *Change discs after performing this setting.*

Turning Mute Mode On/Off (INT MUTE)

MUTE ON (Initial setting) / MUTE OFF

If a device having the interrupt feature is connected, audio will be automatically muted whenever the interrupt signal is received from the device.

Setting the AUX Mode (V-Link)

AUX IN ON / AUX IN OFF (Initial setting)

You can input TV/video sound by connecting an optional Ai-NET/RCA Interface cable (KCA-121B) or Versatile Link Terminal (KCA-410C) to this component.
You can change the AUX name display when AUX IN ON is set. Select the AUX name by pressing ⏮ or ⏭, then press **MODE**. Then turn the **Rotary encoder**.
If the KCA-410C is connected, it is possible to select two AUX names.

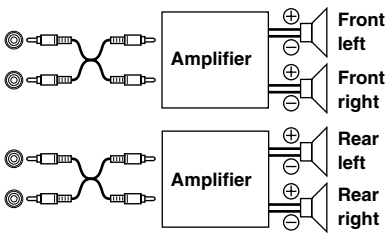
- *Via KCA-410C, up to 2 external devices with RCA output can be connected. In this case, press **SOURCE/POWER** to select AUX mode and then press **BAND** to select your desired device.*

Connecting to an External Amplifier

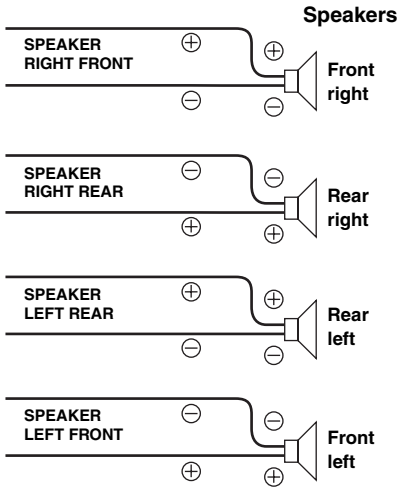
POWER IC ON (Initial setting) / POWER IC OFF

When an external amplifier is connected, sound quality can be improved by stopping the power supply of the built-in amplifier.

POWER IC OFF : Use this mode when the front and rear pre-amplifier of the unit are used to drive an external amplifier connected to the speakers. In this setting, the head unit's internal amplifier has no output to drive speakers.



POWER IC ON : The speakers are driven by the built-in amplifier.



- *No sound is produced by the system when the power output is set to OFF.*
- *If an external amplifier only for the subwoofer is connected, set to ON.*

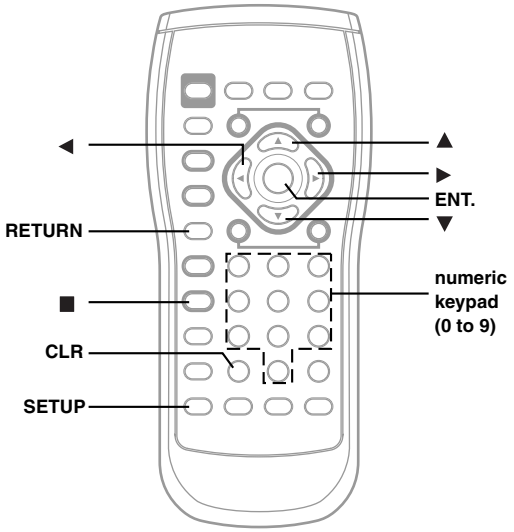
Setting the Digital Output

OPT OUT ON / OPT OUT OFF (Initial setting)

To connect to a digitally to an audio processor, the optical digital output must be turned ON.

- *If DVD Audio is used, sound is output via Ai-NET regardless of this setting.*

DVD Setup



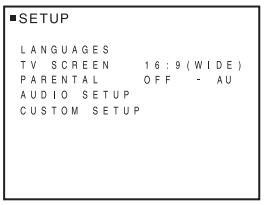
DVD Setup Operation

- *DVD Setup Operation is performed by the remote control unit.*

The following 4 steps are common to each of the DVD settings. Refer to the specific section for details.

1 Press SETUP before inserting a disc, or when in stop mode.

The setup menu appears on the monitor.



2 Press ▲ or ▼ to select your desired setting item, then press ENT.

Further items will be displayed.

Setting items:

LANGUAGES / TV SCREEN / PARENTAL / AUDIO SETUP*[1] / CUSTOM SETUP*[2]

*[1] *Refer to "Audio Setup" on page 28.*
*[2] *Refer to "Custom Setup" on page 30.*

3 Press ▲, ▼, ◄ or ► to change the setting, then press ENT.

4 When the setting is complete, press SETUP.

The setup returns to normal mode.

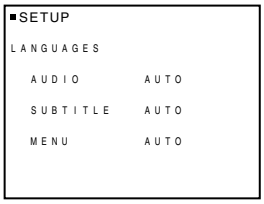
- *When settings are changed, old settings are overwritten. Make a note of the current settings before making changes. If the vehicles battery is disconnected, the settings will be cleared and will return to the factory settings.*

Setting the language

The audio language, subtitle language and menu language can be set according to your preferences.
Once set, this becomes the default language. This function is convenient when you always want to listen in English. (Not all discs allow changing the default language. If not, the factory default language applies.)

Setting item: LANGUAGES
Further setting items: AUDIO / SUBTITLE / MENU

AUDIO:
Set the audio track language.
SUBTITLE:
Set the language of the subtitles displayed on the screen.
MENU:
Set the language used for the menus (title menu, etc.).



Setting contents:

AUDIO mode / MENU mode

AUTO *1 / ENGLISH / JAPANESE / GERMAN / SPANISH / FRENCH / ITALIAN / SWEDISH / CHINESE / OTHERS *2

SUBTITLE mode

AUTO *1 / ENGLISH / JAPANESE / GERMAN / SPANISH / OFF / FRENCH / ITALIAN / SWEDISH / CHINESE / OTHERS *2

Press ▲, ▼, ◀ or ▶ to select your desired language, then press ENT.

*1 AUTO:
The disc is played with the audio language or subtitle language set as the priority language for the disc.
*2 OTHERS:
Set this to play the disc with a language other than one of the languages displayed. Press ENT. then use the number keys "0" to "9" to input the 4-digit language code. Then press ENT. again. For the language codes, refer to "List of Language Codes" (page 49).

- *If you change the language setting when the disc is inside, the setting is decided with one of the following operations.*
  - *Turn OFF the main unit*
  - *Switch the source on the head unit.*
- *To temporarily change the language of the current disc, either do so from the DVD menu or using the operation described in the section "Switching the Audio Tracks" (page 18).*
- *If the disc does not include the selected language, the disc's default language is set.*
- *Languages set upon shipment from the factory:*
  Audio language : AUTO
  Subtitle language : AUTO
  Menu language : AUTO
- *Press **RETURN** to return to the previous display.*

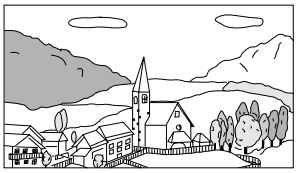
Setting the TV Screen

Use the procedure described below to set the output screen according to the type of TV monitor being used.

Setting item: TV SCREEN
Setting contents: 16:9 (WIDE) / 4:3 (LETTER BOX) / 4:3 (PAN SCAN)

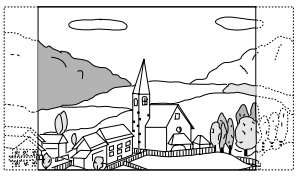
- *For some discs, the picture may not be set to the selected screen size. (For details, refer to the explanation on the disc's jacket.)*
- *Press **RETURN** to return to the previous screen.*

16:9 (WIDE)
Select this when connected to a wide screen TV. This is selected upon shipment from the factory.



4:3 (LETTER BOX)
Select this when connected to a conventional 4:3 size (normal TV aspect ratio) monitor. There may be black bands visible at the top and bottom of the screen (when playing a 16 : 9 size movie). The width of these stripes will depend upon the original aspect ratio of the theatre release of the movie.

4:3 (PAN SCAN)
Select this when connected to a conventional 4:3 size monitor. The picture will fill the entire TV screen. However, due to the mismatch in aspect ratio, parts of the movie at the extreme left and right sides will not be visible (when playing a 16 : 9 size movie).



Setting the Country Code

Set the country code of which you want to set the rating level (Parental lock).

Setting item: PARENTAL
Further setting item: COUNTRY CODE
Setting contents: CODE

1 Press ▲ or ▼ to select "PARENTAL," then press ENT.
The password input mode is activated.
2 Use the number keys "0" to "9" to input the 4-digit password, then press ENT.

PASSWORD * * * *

Input numbers are displayed as "*."
The default password is 1111 upon shipment from the factory.
The PARENTAL display appears.

- *Can be erased one digit at a time each time **CLR** is pressed. Press **CLR** for at least 2 seconds to delete all digits.*
- *Press **RETURN** to return to the previous screen.*
- *If the password is wrong, the unit returns to the password input display, after displaying "PASSWORD ERROR" for 3 seconds.*

3 Press ▲ or ▼ to select “COUNTRY CODE,” then press ENT.

4 Press ▲ or ▼ to select AUTO or OTHERS.
If AUTO is selected, press ENT.

AUTO: The primary country code among those recorded is played.

OTHER: The setting content changes to “OTHER” if the desired country code is input.

If AUTO is selected, go to the step 6. If OTHERS is selected, go to the step 5.

5 Use the number keys “0” to “9” to input the 4-digit country code, then press ENT.
Example: AU “6585” is input

6 When the setting is complete, press SETUP.
The setup returns to normal mode.

- *If you want to change the password, select “CHANGE PASSWORD” in step 3. Then input the new password (4 digits) and press **ENT**.*
- *Write down the password on a piece of paper and store the piece of paper somewhere in case you forget it.*
- *If the input code is wrong, the unit returns to the country code input display, after displaying “CODE ERROR” for 3 seconds.*
- *For the country codes, refer to “List of Country Codes” (pages 50 and 51).*
- *Can be erased one digit at a time each time **CLR** is pressed. Press **CLR** for at least 2 seconds to delete all digits.*
- *Press **RETURN** to return to the previous screen.*

Setting the Rating Level (Parental Lock)

Use this function to restrict the viewing of movies to children of appropriate age levels only.

Setting item: PARENTAL
Further setting item: PARENTAL LEVEL

1 Press ▲ or ▼ to select “PARENTAL,” then press ENT.
The password input mode is activated.

2 Use the number keys “0” to “9” to input the 4-digit password, then press ENT.

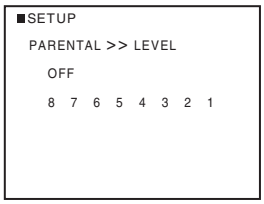
PASSWORD * * * *

Input numbers are displayed as “*.“
The default password is 1111 upon shipment from the factory.
The restriction level (PARENTAL LEVEL) input display appears.

- *Can be erased one digit at a time each time **CLR** is pressed. Press **CLR** for at least 2 seconds to delete all digits.*
- *Press **RETURN** to return to the previous screen.*
- *If the password is wrong, the unit returns to the password input display, after displaying “PASSWORD ERROR” for 3 seconds.*

3 Press ▲ or ▼ to select “PARENTAL LEVEL,” then press ENT.

4 Press ▲, ▼, ◀ or ▶ to select the restriction level (1 to 8), then press ENT.



Select “OFF” to cancel the parental lock or if you do not want to set a rating level.
The lower the number, the higher the rating level.

- *Press **RETURN** to return to the previous display.*

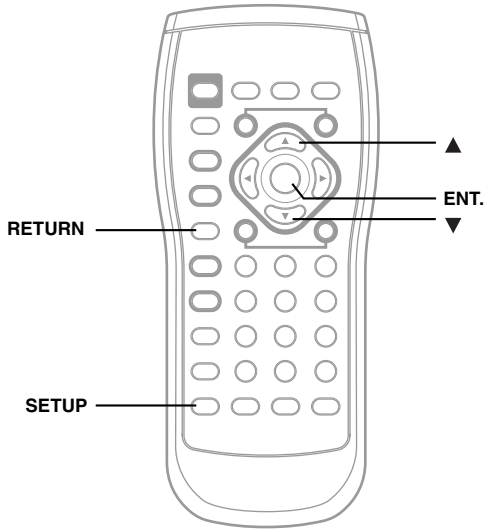
5 When the setting is complete, press SETUP.
The setup returns to normal mode.

- *If you want to change the password, select “CHANGE PASSWORD” in step 3, then input the new password (4 digits) and press ENT.*
- *Write down the password on a piece of paper and store the piece of paper somewhere in case you forget it.*
- *On unrated DVDs, playback will not be restricted even if the rating level is set.*
- *Once set, this rating level remains in memory until changed. To enable the play of discs of higher rating levels or to cancel the parental lock, the setting must be changed.*
- *Not all DVDs provide a Parental Lock feature. If you are unsure about a DVD, play it first to confirm. Do not leave DVDs accessible to young children for whom you deem them inappropriate.*

Tips

- ***Changing the rating level temporarily***
  Some discs may request that you change the rating level set in the default settings during playback. In this case, the message appears on the monitor screen “PARENTAL LEVEL CHANGE OK?”
- ***To change parental level and play, press ENT.***
  *The password input mode is displayed. Input the 4-digit password you set in “Setting the Rating Level (Parental Lock)”, then press **ENT**.*
- ***To play without changing the parental level, press ■.***
  (When ■ is pressed, playback will be at the parental level set with “Setting the Rating Level (Parental Lock).”)

Audio Setup

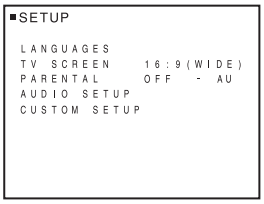


Audio Setup Operation

- *Audio Setup Operation is performed by the remote control unit.*

The following 5 steps are common to each of the Audio Setup settings. Refer to the specific section for details.

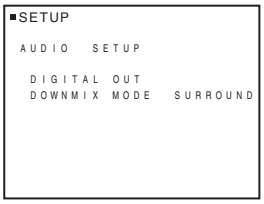
1 Press SETUP before inserting a disc, or when in stop mode.
The setup menu appears on the monitor.



2 Press ▲ or ▼ to select "AUDIO SETUP," then press ENT.

3 Press ▲ or ▼ to select your desired setting item, then press ENT.

AUDIO SETUP items:
DIGITAL OUT/ DOWNMIX MODE



4 Press ▲ or ▼ to change the setting, then press ENT.

5 When the setting is complete, press SETUP.
The setup returns to normal mode.

- *When settings are changed, old settings are overwritten. Make a note of the current settings before making changes. If the vehicle's battery is disconnected, the settings will be cleared and will return to the factory settings.*

Setting the Digital Output

Use the following procedure to set the digital audio signal output from the DVA-9861E.

Setting item: DIGITAL OUT
Further setting items: DOLBY D / DTS

Press ▲ or ▼ to select your desired setting item, then press ENT.

DOLBY D: Sets Dolby Digital output.
The initial setting is BITSTREAM.

DTS: Sets DTS output.
The initial setting is BITSTREAM.

Setting contents: BITSTREAM / LPCM

Press ▲ or ▼ to select BITSTREAM or LPCM, then press ENT.

BITSTREAM: The digital output is switched automatically according to the type of audio signal being played.
Be sure to select "BITSTREAM" when you want to connect a digital audio processor and play Dolby Digital audio. "BITSTREAM" is selected upon shipment from the factory.

LPCM: The audio signal recorded on the disc is converted to 48 kHz/16 bit (for DVDs) or 44.1 kHz (for video CDs and CDs) linear PCM audio signals for output.

- *Press **RETURN** to return to the previous screen.*

Audio output/Optical digital audio output

Disc	Audio recording format		Digital output setting (DVD SETUP)	Optical digital audio output	Analog audio output (Ai-NET, RCA output)
Format	Fs	Q			
LPCM (CD-DA, DVD-V, DVD-A, DVD-VR)	44.1/ 176.4kHz	16/20/ 24bit	BITSTREAM or LPCM	44.1kHz, 16bit, LPCM 2ch (2ch Downmix)*	OK
	48/96/ 192kHz	16/20/ 24bit	BITSTREAM or LPCM	48kHz, 16bit, LPCM 2ch (2ch Downmix)*	OK
PPCM (DVD-A)	44.1/ 88.2/ 176.4kHz	16/20/ 24bit	BITSTREAM or LPCM	Not output	OK
	48/96/ 192kHz	16/20/ 24bit			
Dolby Digital (-EX) (DVD-V, DVD-A, DVD-VR)	48kHz	16/18/ 20bit	LPCM	48kHz, 16bit, Decoded 2ch (2ch Downmix)*	OK
			BITSTREAM	Bit stream (Max 7.1ch)*	OK
DTS (-ES) (CD-DA, DVD-V, DVD-A)	44.1kHz	16/20/ 24bit	LPCM	44.1kHz, 16bit Decoded 2ch (2ch Downmix)*	OK
			BITSTREAM	Bit stream (Max 6.1ch)*	OK
	48/96kHz	16/20/ 24bit	LPCM	48kHz, 16bit, Decoded 2ch (2ch Downmix)*	OK
			BITSTREAM	Bit stream (Max 6.1ch)*	OK
MPEG1Layer II (VCD, DVD-V, DVD-A, DVD-VR)	44.1kHz	16bit	LPCM	44.1kHz, 16bit, Decoded 2ch*	OK
			BITSTREAM	Bit stream*	OK
	48kHz	16bit	LPCM	48kHz, 16bit, Decoded 2ch (2ch Downmix)*	OK
			BITSTREAM	Bit stream (Max 5.1ch)*	OK
MPEG2Layer II (DVD-V, DVD-A, DVD-VR)	44.1kHz	16bit	LPCM	44.1kHz, 16bit, Decoded 2ch*	OK
			BITSTREAM	Bit stream*	OK
	48kHz	16bit	LPCM	48kHz, 16bit, Decoded 2ch (2ch Downmix)*	OK
			BITSTREAM	Bit stream (Max 5.1ch)*	OK
MPEG1/2/ 2.5Layer III (MP3, WMA)	32kHz	16bit	BITSTREAM or LPCM	32kHz, 16bit, Decoded 2ch	OK
	44.1kHz	16bit	BITSTREAM or LPCM	44.1kHz, 16bit, Decoded 2ch	OK
	48kHz	16bit	BITSTREAM or LPCM	48kHz, 16bit, Decoded 2ch	OK

* Not output when playing back a DVD Audio.

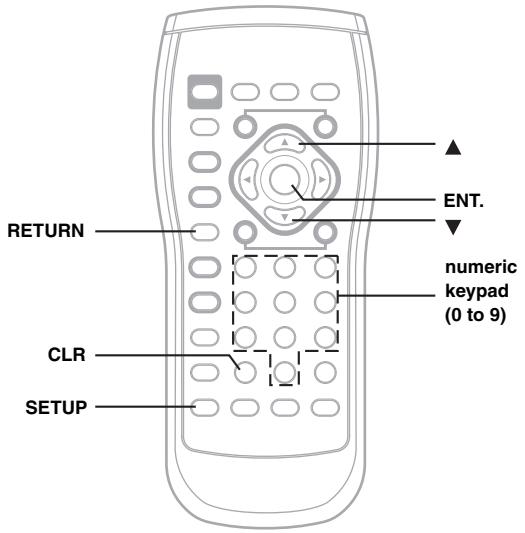
Setting the Downmix Mode

This function applies to Dolby Digital, DTS stream sound.

Setting item: DOWNMIX MODE
Setting contents: STEREO/SURROUND ENCODED

STEREO: Stereo Downmix
SURROUND ENCODED: Surround compatible Downmix
The initial setting at the factory is SURROUND ENCODED.

Custom Setup

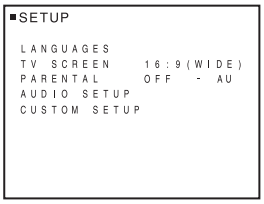


Custom Setup Operation

- *Custom Setup Operation is performed by the remote control unit.*

The following 5 steps are common to each of the Custom Setup settings. Refer to the specific section for details.

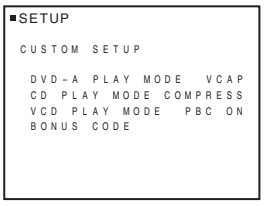
1 Press SETUP before inserting a disc, or when in stop mode.
The setup menu appears on the monitor.



2 Press ▲ or ▼ to select "CUSTOM SETUP," then press ENT.

3 Press ▲ or ▼ to select your desired setting item, then press ENT.

CUSTOM SETUP items:
DVD-A PLAY MODE / CD PLAY MODE / VCD PLAY MODE / BONUS CODE



4 Press ▲ or ▼ to change the setting, then press ENT.

5 When the setting is complete, press SETUP.
The setup returns to normal mode.

- *When settings are changed, old settings are overwritten. Make a note of the current settings before making changes. If the vehicle's battery is disconnected, the settings will be cleared and will return to the factory settings.*

Setting the DVD Audio Playback Mode

To playback the DVD Audio Disc, you have a choice of 3 different settings. If the disc containing DVD Video and Audio, set VCAP (Video Capable Audio Player) or VOFF (Video OFF) to playback the DVD Audio.

Setting item: DVD-A PLAY MODE
Setting contents: VIDEO/VCAP/VOFF

VIDEO:	Only DVD Video is played back if the disc contains DVD Video and Audio.
VCAP:	DVD Audio is played back with Video.
VOFF:	DVD Audio is played back without Video.

The initial setting at the factory is VCAP.

- *Perform this setting before inserting a disc. If a disc has already been inserted, perform the setting after you remove the disc.*

Setting the CD Play Mode

The unit can be set to play only the audio data or only the MP3/WMA files on discs containing both audio data and MP3/WMA data.

Setting item: CD PLAY MODE
Setting contents: CD-DA/COMPRESSED

CD-DA:	Only CD data can be played back.
COMPRESSED:	Only MP3/WMA data can be played back.

The initial setting at the factory is CD-DA.

- *If a disc has already been inserted, perform the setting after you remove the disc.*

Setting the Video CD Play Mode

When playing a Playback Control (PBC) enabled video CD, you can choose to set PBC ON or OFF.

Setting item: VCD PLAY MODE
Setting contents: PBC ON/PBC OFF

PBC ON:	The PBC menu is displayed.
PBC OFF:	The PBC menu is not displayed.

The initial setting at the factory is PBC ON.

Playing the Bonus Group

In addition to the usual group, DVD Audio also includes an addition Bonus Group. When the Bonus Group is selected, although the password input screen is displayed, you can pre-input a 4-digit password.

Setting item: BONUS CODE
Setting contents: CODE

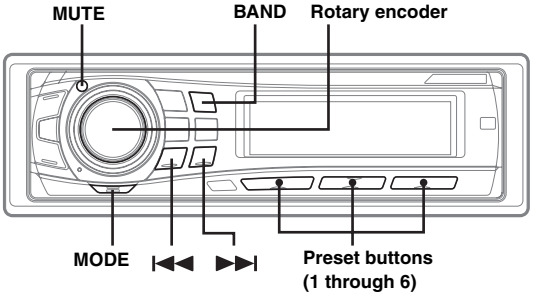
1 Press ▲ or ▼ to select "BONUS CODE," then press ENT.
2 Use the number keys "0" to "9" to input the 4-digit password, then press ENT.

- *Can be erased one digit at a time each time **CLR** is pressed. Press **CLR** for at least 2 seconds to delete all digits.*
- *Press **RETURN** to return to the previous screen.*

3 When the setting is complete, press SETUP.
The setup returns to normal mode.

- *If the Bonus Group password differs from the password in the section you set, the input screen is automatically displayed.*

External Audio Processor (Optional)



When an external audio processor is connected to this unit, you can operate it from this unit. Some audio processors may not be operated. When PXA-H900 is connected, some of the operations may not be performed from this unit. In this case, operate them in the connected product. Explanations below is the case when PXA-H700 or PXA-H701 is connected for example.
Refer also to the operating instructions of the connected audio processor.

- *The adjustments or settings performed on the connected audio processor cannot be operated properly from this unit.*
- *The setting "Setting the Speakers", "Setting Bass Sound Control", and "Graphic Equalizer Adjustments" are not available if the MRA-D550 is connected. Additionally, if the MRA-F350 is connected, the following setting "Setting the MX mode" is not available. Also, the setting content differs between the PXA-H700 and PXA-H701.*
- *This unit cannot be connected to the PXA-H510.*
- *If no operation is performed for approximately 15 seconds when setting the external audio processor, the audio processor control mode is cancelled, and the normal mode returns.*

Adjustment Procedure for Dolby Surround

Make the adjustments described below in order to reproduce Dolby Digital and DTS sound with greater accuracy.

Adjustment procedure

1. **Speaker Setup (page 35)**
   (Turning the speakers to be used on and off and setting their response)
2. **Adjusting the speaker levels (page 36)**
   (Adjusting the signal output level to the various speakers)
3. **Mixing bass sound to the rear channel (page 36)**
   (Achieving smooth sound in the rear seat by mixing the front audio signals with the rear speaker signals)
4. **Adjusting the acoustic image (page 37)**
   (Adjusting the acoustic image to achieve a sound as if the centre speaker were directly in front of the listener)
5. **Achieving powerful high volume sound (page 37)**
   (Achieving energetic sound with even greater power, like the sound in a movie theatre)
6. **Adjusting the DVD Level (page 37)**
   (Adjust the volume (signal level) in the Dolby Digital, Pro Logic II, DTS and PCM modes.)
7. **Storing Settings in the Memory (page 38)**
   (Storing all the settings and adjustments made on the DVA-9861E (not only the above settings/adjusts) in the memory)

In case of combining the Automatic adjustments etc.
We recommend to make the Automatic adjustments before the Dolby Surround adjustments.

Setting the Speakers

1 **Check that Defeat mode is off (page 20).**

2 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

3 **Select the SP SELECT mode by pressing MUTE repeatedly.**

4 **Press MODE to select the speaker.**

5 **Select any kind of speaker or set speaker to ON/OFF by turning the Rotary encoder.**

FRONT1:	OFF/TW (Tweeter)/FULL (Full Range)
FRONT2:	OFF/ON
REAR:	OFF/ON
CENTER:	OFF/ON
SUBWOOFER:	OFF/MONO/STEREO

6 **Repeat steps 4 and 5 to set all the speakers.**

7 **When the setting is complete, press and hold MUTE for at least 2 seconds.**
The unit returns to the normal mode.

- *Set the speaker which is not connected to OFF.*
- *Settings above can be carried out even when the speaker is set to OFF in "Speaker Setup" (page 35).*
- *To use the subwoofer in MONO with PXA-H700 or PXA-H701 connected, connect the subwoofer to the subwoofer output terminal of PXA-H700 or PXA-H701.*

Set MX Mode of the External Audio Processor

Before performing the operations below, set MX (Media Xpander) mode of the PXA-H700 to "AUTO" when the PXA-H700 is connected.

1 **Check that Defeat mode is off (page 20).**

2 **Press and hold MUTE for at least 2 seconds.**
The MX mode of the audio processor control mode is activated.

3 **Select ON/OFF of MX by pressing I◄◄ or ►►I.**
If ON is selected, press MODE.

OFF: Turns off the MX effect of every music source.
ON: Turns on the specified MX mode.

4 **After setting to ON, select the desired MX level by turning the Rotary encoder.**

- *Music source (such as radio broadcasts and CDs, excluding AM radio) level can be set.*

MX CD (OFF, CD MX 1 to 3)
CD mode processes a large quantity of data. This data is used to reproduce the sound cleanly by making use of the data quantity.

MX COMPRESS MEDIA (OFF, CMPM MX 1 to 3)
This corrects information that was omitted at the time of compression. This reproduces a well-balanced sound close to the original.

MX FM (OFF, FM MX 1 to 3)
The medium to high frequencies become more clear, and produces well balanced sound in all the bands.

MX DVD (OFF, MOVIE MX 1 to 2)
The dialog portion of the video is reproduced more clearly.
(DVD MUSIC)
This disk contains a large quantity of data such as music clip. MX uses this data to reproduce the sound accurately.

MX AUX 1 to 3 (OFF, CMPM MX, MOVIE MX, MUSIC MX)
Choose the MX mode (CMPM, MOVIE, or MUSIC) that corresponds to the media connected.

5 **When the setting is complete, press and hold MUTE for at least 2 seconds.**
The unit returns to the normal mode.

- *The contents of MX set here is reflected to PXA-H700 or PXA-H701.*
- *When OFF is selected, MX effect of each MX mode will be OFF.*
- *Each music source, such as radio, CD, and MP3 can have its own MX setting.*
- *There is no MX mode for AM radio.*
- *MX COMPRESS MEDIA is applied for MP3/WMA, MMD.*

X-OVER Adjustment

1 **Check that Defeat mode is off (page 20).**

2 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

3 **Select the X-OVER mode by pressing MUTE repeatedly.**

4 **Select L+R or L/R by pressing and holding BAND for at least 2 seconds.**

L+R: Sets the same adjustment values for the left and right channels.
L/R: Different adjustment values can be set for the left and right channels.

5 **Select the desired channel by pressing I◄◄ or ►►I, then press MODE.**

When L+R is selected :
FRONT 1 → FRONT 2 → REAR → CENTER → SUBWOOFER → FRONT 1

When L/R is selected :
FRONT 1L → FRONT 1R → FRONT 2L → FRONT 2R → REAR L → REAR R → CENTER → SUBWOOFER → FRONT 1L

- *The speakers display differs, depending on the connected speakers.*

6 **Adjust the cut-off frequency of H.P.F. (HP FREQ) by turning the Rotary encoder, then press MODE.**
The adjustable frequency range differs depending on the channels (speakers).

7 Adjust the slope of H.P.F. (HP SLOPE) by turning the Rotary encoder, and press MODE.

8 Adjust L.P.F. by performing steps 6 and 7.

9 Adjust the level (LEVEL) by turning the Rotary encoder, then press MODE.
Press MODE to return to step 6.

10 To adjust other channels, repeat steps 5 to 9.

11 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *When the speaker is set to the "OFF" mode, the X-OVER for that speaker cannot be set. Refer to "Setting the Speakers" (page 32).*
- *Check the playback frequencies of the connected speakers before adjusting.*
- *In order to protect the speakers, there is no OFF setting for the subwoofer low pass filter (the slope remains the same).*
- *The H.P.F. filter cannot be set to OFF (slope OFF) if Tweeter is selected for FRONT1. Or, if subwoofer is set to STEREO, CENTER adjustment is affected by the subwoofer setting.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Performing Time Correction Manually (TCR)/ Phase Switching

Because of the particular conditions inside the vehicle, there can be major differences in the distances between the various speakers and the listening position. It is possible to calculate the optimum correction values and eliminate the time error at the listening position yourself using this function.

Calculating the Time Correction

1 Sit in the listening position (the driver's seat, for example) and measure the distance (in meters) between your head and the various speakers.

2 Calculate the difference in distance between the farthest speaker and the other speakers.

L = (distance of farthest speaker)
– (distance of other speakers)

3 Divide the distances calculated for the different speakers by the speed of sound (343 m/s temperature 20°C).
This value is the time correction value for the various speakers.

Concrete examples

Calculating the time correction value for the front left speaker on the diagram below.

Conditions:

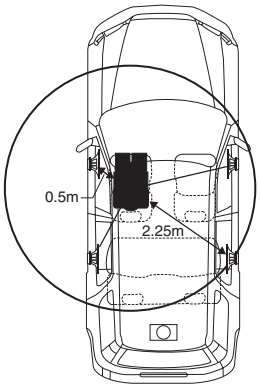
Distance between farthest speaker and listening position:
2.25 m (88-3/4")

Distance between front left speaker and listening position:
0.5 m (20")

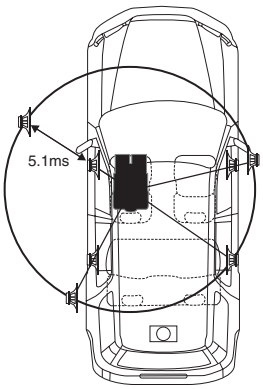
Calculation:
L = 2.25 m (88-3/4") – 0.5 m (20")= 1.75 m (68-3/4")

Compensation time = 1.75 ÷343 x 1000 = 5.1 (ms)

In other words, setting the time correction value for the front left speaker to 5.1 (ms) sets a virtual distance matching the distance to the farthest speaker.



The sound is uneven because the distance between the listening position and the different speakers is different. The difference in the distance between the front left and rear right speakers is 1.75 meters (68-3/4").



Time correction eliminates the difference between the time required for the sound from the different speakers to reach the listening position. Setting the time correction of the front left speaker to 5.1 ms makes it possible to coordinate the distance from the listening position to the speaker.

Inputting the Time Correction

4 Check that Defeat mode is off (page 20).

5 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

6 Select the TCR/PHASE mode by pressing MUTE repeatedly.

7 Select L+R or L/R by pressing and holding BAND for at least 2 seconds.

L+R: Sets the same adjustment values for the left and right channels.

L/R: Different adjustment values can be set for the left and right channels.

8 Select the desired channel by pressing ⏮ or ⏭, then press MODE.

When L+R is selected :
FRONT 1 → FRONT 2 → REAR → CENTER → SUBWOOFER → FRONT 1

When L/R is selected :
FRONT 1L → FRONT 1R → FRONT 2L → FRONT 2R → REAR L → REAR R → CENTER → SUBWOOFER → FRONT 1L

- *The speakers display differs, depending on the connected speakers.*

9 Adjust the calculated time correction value (0.00 to 20.00ms) by turning the Rotary encoder, then press MODE.

Switching the Phase

10 Switch the phase (PHASE 0° or 180°) by turning the Rotary encoder, then press MODE.

11 To adjust other channels, repeat steps 8 to 10.

12 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *When the speaker is set to the "OFF" mode, the TCR for that speaker cannot be set. Refer to "Setting the Speakers" (page 32).*
- *The adjustment value for FRONT2 (Speakers) which is adjusted in time correction, is also applied to the front speakers in "Setting Bass Focus" (page 35).*
- *The adjustment (AUTO TCR) cannot be automatically set on this unit.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Graphic Equalizer Adjustments

The graphic equalizer allows you to modify the sound using 31 bands each for the front (left and right), rear (left and right) and centre speakers. An additional 10 bands are available for the subwoofer. This allows you to customize the sound to suit your taste.

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

3 Select the G-EQ mode by pressing MUTE repeatedly.

4 Select L+R or L/R by pressing and holding BAND for at least 2 seconds.

L+R: Sets the same adjustment values for the left and right channels.
L/R: Different adjustment values can be set for the left and right channels.

When parametric EQ is adjusted, this setting will be turned off.

5 Select the desired channel by pressing I◄◄ or ►►I, then press MODE.

When L+R is selected :
FRONT → REAR → CENTER → SUBWOOFER → FRONT

When L/R is selected :
FRONT L → FRONT R → REAR L → REAR R → CENTER → SUBWOOFER → FRONT L

- *The speakers display differs, depending on the connected speakers.*

6 Select the frequency by turning the Rotary encoder, then press MODE.

Adjustable frequency:
FRONT/REAR/CENTER: 20Hz - 20kHz (in 1/3 octave steps)
SUBWOOFER: 20Hz - 160Hz (in 1/3 octave steps)

7 Adjust the level (LEVEL) (±9dB 1dB step) by turning the Rotary encoder, then press MODE.

8 To adjust other frequencies, repeat steps 6 and 7.

9 To adjust other channels, repeat steps 5 to 8.

10 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *When the speaker is set to the "OFF" mode, the level of the graphic equalizer for that speaker cannot be adjusted. Refer to "Setting the Speakers" (page 32).*
- *Check the playable frequency ranges of the connected speakers before making the equalizer adjustments. If the speaker's playable frequency range is 55 Hz to 30 kHz, for example, adjusting the 40 Hz or 20 Hz band has no effect. Additionally, you may overload and damage the speakers.*
- *When graphic EQ is adjusted, the adjustment for parametric EQ becomes ineffective.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Parametric Equalizer Adjustments

The frequency bands of the graphic equalizer are fixed. This makes it very difficult to correct for undesired peaks and dips at specific frequencies. The parametric equalizer's centre frequency can be tuned to these specific frequencies. Then, the bandwidth (Q) and level are fine-tuned, independently, to make the necessary corrections. The parametric equalizer function is an advanced tool for serious audiophiles.

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

3 Select the P-EQ mode by pressing MUTE repeatedly.

4 Select L+R or L/R by pressing and holding BAND for at least 2 seconds.

L+R: Sets the same adjustment values for the left and right channels.
L/R: Different adjustment values can be set for the left and right channels.

When graphic EQ is adjusted, this setting will be turned off.

5 Select the desired channel by pressing I◄◄ or ►►I, then press MODE.

When L+R is selected :
FRONT → REAR → CENTER → SUBWOOFER → FRONT

When L/R is selected :
FRONT L → FRONT R → REAR L → REAR R → CENTER → SUBWOOFER → FRONT L

- *The speakers display differs, depending on the connected speakers.*

6 Press BAND to select the band.

Adjustable bands:
FRONT/REAR/CENTER: 5 bands
SUBWOOFER: 2 bands

7 Select the frequency by turning the Rotary encoder, then press MODE.
The adjustable frequency changes according the band.

8 Adjust the band width (Q) by turning the Rotary encoder, then press MODE.
The band width is adjustable in 6 steps: 0.5/1/2/3/4/5

9 Adjust the level (LEVEL) (±9dB 1dB step) by turning the Rotary encoder, then press MODE.

10 To adjust other bands, repeat steps 6 to 9.

11 To adjust other channels, repeat steps 5 to 10.

12 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *When the speaker is set to the "OFF" mode, the parametric equalizer for that speaker cannot be set. Refer to "Setting the Speakers" (page 32).*
- *It is not possible to adjust the frequencies of adjacent bands within 7 steps.*
- *Check the playable frequency ranges of the connected speakers before making the equalizer adjustments. If the speaker's playable frequency range is 55 Hz to 30 kHz, for example, adjusting the 40 Hz or 20 Hz band has no effect. Additionally, you may overload and damage the speakers.*
- *When the parametric EQ is adjusted, the adjustment for graphic EQ becomes ineffective.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Setting Bass Compressor

You can adjust the sound of low frequencies as desired.

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

3 Select the BASS SOUND mode by pressing MUTE.

4 Select BASS COMP. by pressing I◄◄ or ►►I, then press MODE.

5 Select the desired mode by turning the Rotary encoder.
Bass sound is emphasized more as the mode is sequentially switched as COMP1 → 2 → 3, offering you vivid low frequencies.
Select OFF when the setting is not necessary.

6 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

Setting Bass Focus

Using the previously specified delay number (time difference) allows you to set a time difference between the front-rear/left-right speakers. Namely, it enables a time correction based on your preference. With an initial delay of 0.05 ms for each of the 0 to 400 steps, audible time correction can be achieved.

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

3 Select the BASS SOUND mode by pressing MUTE.

4 Select BASS FOCUS by pressing I◄◄ or ►►I, then press MODE.

5 Press MODE to select the front/rear/left/right speaker.

6 Turn the Rotary encoder to set the front/rear and left/right speakers.

7 To set other channels (speakers), repeat steps 5 and 6.

8 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *Any setting in Bass Focus is applied in time correction, too.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Speaker Setup

The PXA-H700 or PXA-H701 can be set according to the playable frequency range of your speakers.
Check the playable frequency range of the speakers (not including the subwoofer) before performing this operation to verify whether the speakers can play low frequencies (of about 80 Hz or less).

- *Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if Decode mode is switched.*

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

3 Select the SP SETUP mode by pressing MUTE repeatedly.

4 Select the speaker by pressing MODE.

5 Select the speaker characteristic by turning the Rotary encoder.

OFF*1: When no speaker is connected.
SMALL: When a speaker that cannot play low frequencies (80 Hz or less) is connected.
LARGE*2: When a speaker that can play low frequencies (80 Hz or less) is connected. (Subwoofer is set to ON/OFF only)

(Subwoofer is set to ON/OFF only)
*1 It is not possible to set the front speakers to "OFF".
*2 If the front speakers are set to "SMALL", the rear and centre speakers cannot be set to "LARGE".

6 Repeat steps 4 and 5 to set each speaker.

7 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *If the centre speaker is turned "OFF," the centre channel's audio signals are added to the audio signals output from the front speakers.*
- *If you set the speaker response to "OFF," also set the speaker setting to "OFF." (page 32)*
- *Perform the setup for all the speakers ("Front," "Center," "Rear" and "Subwoofer"). If not, the sound may not be balanced.*
- *When centre is set to "OFF", the setting is ineffective even if centre is set with this function.*
- *Through changing the settings on each speaker, a change in the output of the other speakers may occur due to the setting requirements.*
- *When using the PRO LOGIC II, if the rear speaker is set to "LARGE", then there will be no output from the subwoofer.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Setting of Dolby Digital

Adjusting the speaker levels

The test tones help to make the volume adjustments of the different speakers. When levels are equal, a strong sense of presence can be heard from the different speakers at the listening position.

- *Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the decode mode is switched.*

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

3 Select the MULTI CH SETUP mode by pressing MUTE repeatedly.

4 Select OUTPUT LEVEL by pressing ⏮ or ⏭, then press MODE.

5 Press MODE to select the speaker to be adjusted.
The test tone is produced by the selected speaker.

6 Adjust the output level by turning the Rotary encoder.

7 Adjust each volume level for optimum balance by repeating steps 5 and 6.

- *The adjustment range for the different speakers is –10 dB - +10 dB.*
- *Adjust based on the front speakers.*

8 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *If a speaker is set to off mode, that speaker's level adjustment cannot be made. Refer to "Speaker Setup" (page 35).*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Mixing bass sound to the rear channel

This function mixes the front channel audio signals to the audio signals output from the rear speakers, improving the sound in the vehicle's rear seat.

- *Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the Decode mode is switched.*

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.
The audio processor control mode is activated.

3 Select the MULTI CH SETUP mode by pressing MUTE repeatedly.

4 Select REAR MIX by pressing ⏮ or ⏭, then press MODE.

5 Select REAR MIX ON/OFF by turning the Rotary encoder.
If ON is selected, press MODE.
If ON is set, the audio signal which is output from the rear speaker is mixed to the front audio signal.

6 After setting ON, turn the Rotary encoder to adjust the level (LEVEL).

The level can adjusted in five steps: –6, –3, 0, +3 and +6. The higher the level, the more bass is output from the rear speakers. (The effect differs according to the software (DVD, etc.).)

7 When the setting is complete, press and hold MUTE for at least 2 seconds.
The unit returns to the normal mode.

- *This adjustment is ineffective when the rear speaker setup setting is set to "OFF."*
- *For linear PCM signals, the voice is output from the rear speaker regardless of the REAR FILL and REAR MIX setting.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Adjusting the acoustic image

In most installations, the centre speaker must be placed directly between the front passenger and driver. Using this function, the centre channel information is distributed to the left and right speakers. This creates an acoustic image simulating a centre speaker directly in front of each listener. Adjusting the centre width in PL II MUSIC (see "Using the Pro Logic II Mode" page 37), makes this function ineffective.

- *Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the Decode mode is switched.*

1 **Check that Defeat mode is off (page 20).**

2 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

3 **Select the MULTI CH SETUP mode by pressing MUTE repeatedly.**

4 **Select BI-PHANTOM by pressing ⏮ or ⏭, then press MODE.**

5 **Select BI-PHANTOM ON/OFF by turning the Rotary encoder.**
If ON is selected, press MODE.
If ON is set, the soundstage created is as if you are positioned directly in front of the centre speaker by distributing the centre speaker sound left and right.

6 **After setting ON, turn the Rotary encoder to adjust the level (LEVEL).**
The level can be adjusted within the range of –5 to +5. The higher the level, the more the position of the centre speaker is shifted to the sides.

7 **When the setting is complete, press and hold MUTE for at least 2 seconds.**
The unit returns to the normal mode.

- *This adjustment is effective when the setting of the centre speaker to SMALL or LARGE in the speaker setup settings.*
- *This adjustment is ineffective when the speaker is set to CENTER "OFF" in "Setting the Speakers" (page 32).*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Achieving powerful high volume sound

With Dolby Digital, the dynamic range is compressed so that powerful sound can be achieved at regular volume levels. This compression can be cancelled to achieve an energetic sound with even greater power, like the sound in a movie theatre.
This function works only in the Dolby Digital mode.

1 **Check that Defeat mode is off (page 20).**

2 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

3 **Select the MULTI CH SETUP mode by pressing MUTE repeatedly.**

4 **Select LISTEN MODE by pressing ⏮ or ⏭, then press MODE.**

5 **Select STANDARD or MAXIMUM by turning the Rotary encoder.**
STANDARD: For powerful sound at regular volume levels
MAXIMUM: For powerful sound at high volumes

6 **When the setting is complete, press and hold MUTE for at least 2 seconds.**
The unit returns to the normal mode.

- *Keep the volume to a level at which sounds outside the vehicle can still be heard.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Adjusting the DVD Level

The volume (signal level) for Dolby Digital, Dolby PL II, DTS and PCM modes can be set.

- *Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the Decode mode is switched.*

1 **Check that Defeat mode is off (page 20).**

2 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

3 **Select the DVD LEVEL mode by pressing MUTE repeatedly.**

4 **Press MODE to select the mode to be adjusted.**
DOLBY D → PL II → DTS → PCM → DOLBY D

5 **Adjust the level (LEVEL) by turning the Rotary encoder.**
The level can be adjusted in the range of –5 to +5.

6 **Repeat steps 4 and 5 to set each level.**

7 **When the setting is complete, press and hold MUTE for at least 2 seconds.**
The unit returns to the normal mode.

- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Using the Pro Logic II Mode

Pro Logic processing can be conducted on the music signals recorded on two channels to achieve Dolby Pro Logic II surround sound. For two-channel Dolby Digital and DTS signals, there is also a "REAR FILL" function for outputting the signals of the front channel to the rear channel.

1 **Check that Defeat mode is off (page 20).**

2 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

3 **Select the D PLII/REAR mode by pressing MUTE repeatedly.**

4 Select the desired mode by pressing I◄◄ or ►►I.

MOVIE MODE:

Suits the stereo TV shows and all programs encoded in Dolby Surround. It improves the sound field directivity to near that of discrete 5.1-channel sound.

MUSIC MODE:

Can be used for all stereo music recordings, and provides a wide, deep sound field.

REAR FILL ON:

Depending on the input signals, the sound may only be output from the front speakers. In this case, the "REAR FILL" function can be used to output signals from the rear speakers as well.

OFF: Turns D PLII/REAL function to OFF.

If MUSIC MODE is selected, the centre width can be adjusted with the following operations.

This function offers the optimum vocal position by adjusting the centre channel position between the centre speaker and the L/R speaker. (The adjustments established in "Adjusting the acoustic image" (page 37) are ineffective while this function is activated.)

1 After pressing MODE, select MUSIC MODE and turn the Rotary encoder to select CTW CONT ON/OFF.
If ON is selected, press MODE.
If ON is set, you can enjoy the optimum vocal position by distributing the centre channel sound between the centre speaker and L/R speaker.

2 After setting to ON, turn the Rotary encoder to adjust the level (LEVEL).

The level can be adjusted between 0 to 7. When the level increases, the centre channel position moves from the centre speaker position to both sides.

5 When the setting is complete, press and hold MUTE for at least 2 seconds.

The unit returns to the normal mode.

- *This adjustment is effective when the setting of the centre speaker is SMALL or LARGE in the speaker setup settings.*
- *Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the Decode mode is switched.*
- *This adjustment is ineffective when the speaker is set to CENTER "OFF" in "Setting the Speakers" (page 32).*
- *This function only works with two-channel signals. This operation is ineffective when 5.1-channel DTS or Dolby Digital signals are input.*
- *If the setting of REAR FILL is made when REAR MIX is ON, sound is unchanged in the rear fill setting because REAR MIX is given priority during 2 channel decoder other than linear PCM.*
- *For linear PCM signals, the voice is output from the rear speaker regardless of the REAR FILL and REAR MIX setting.*
- *When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 38.*

Linear PCM Setting

The output when playing discs recorded in linear PCM can be set to 2 or 3 channels.

1 Check that Defeat mode is off (page 20).

2 Press and hold MUTE for at least 2 seconds.

The audio processor control mode is activated.

3 Select the PCM MODE by pressing MUTE repeatedly.

4 Select 2 CH or 3 CH by turning the Rotary encoder.

2CH: 2ch output (L/R)
3CH: 3ch output (L/R/CENTER)

5 When the setting is complete, press and hold MUTE for at least 2 seconds.

The unit returns to the normal mode.

- *This adjustment is ineffective when the speaker is set to CENTER "OFF" in "Setting the Speakers" (page 32).*

Storing Settings in the Memory

Up to 6 set and adjusted contents can be stored on the unit.
All that are setting and adjusting items described below are stored in one preset memory.

Setting/adjusting items	Refer to page
Setting the Speakers	32
Setting Time Correction/Switching Phase/ Setting the Bass Focus	33, 34, 35
Adjusting EQ	34
Adjusting X-OVER	32
Setting MX	32
Setting BASS COMP.	35
Setting PRO LOGIC II/Adjusting the Centre Width*	37, 38
Adjusting Dolby Surround*	36, 37
Linear PCM Setting*	38

* Depending on the input signal, sound effect may not be obtained.

1 Adjust and set the value to be stored.

2 Press and hold for at least 2 seconds any one of the preset buttons (1 through 6) into which you want to store the set/adjusted value as preset memory (MEMORY 1 through MEMORY 6).

- *This function is operable only when Defeat is set to OFF.*
- *The stored contents will not be deleted even when battery power cord is detached.*

Recalling the Preset Memory

1 **Check that Defeat mode is off (page 20).**

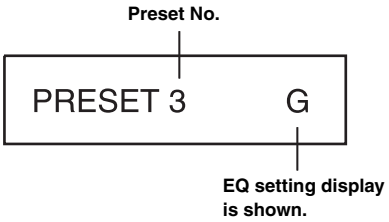
2 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

3 **Press any one of the buttons to select the preset memory (MEMORY 1 through MEMORY 6) you want to recall.**
It takes a few moment to get out the preset memory.

Confirming the current Preset No./EQ mode

1 **Press and hold MUTE for at least 2 seconds.**
The audio processor control mode is activated.

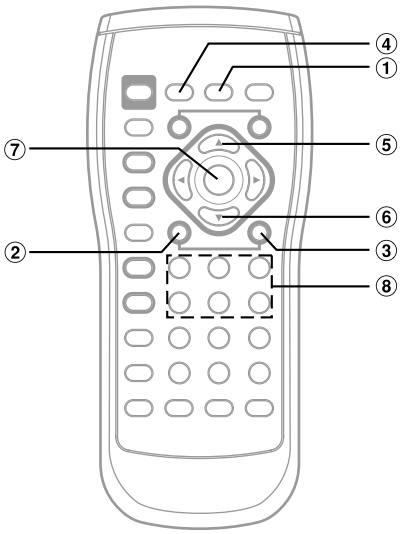
2 **Press MUTE repeatedly to select PRESET INFO.**
The current preset number and EQ mode appear in the display.



Displays which EQ, graphic EQ or parametric EQ is currently set.
G: Graphic EQ
P: Parametric EQ

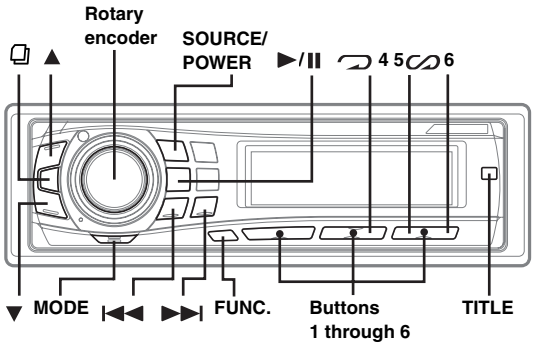
3 **Press and hold MUTE for at least 2 seconds to complete confirmation.**
The unit returns to normal mode.

Remote Control Operation



	Remote Control Button Name	Function	Unit Button
①	A.PROC.	Recalls the audio processor mode	MUTE (more than 2 seconds)
		Switches the audio processor mode	MUTE
		Cancels the audio processor mode	MUTE (more than 2 seconds)
②	⏮	Changes the adjusting item	⏮
③	⏭	Changes the adjusting item	⏭
④	BAND	Switches L+R or L/R	BAND
⑤	▲	Adjusts the selected setting item and changes the set contents	Rotary encoder (Turn)
⑥	▼	Adjusts the selected setting item and changes the set contents	Rotary encoder (Turn)
⑦	ENT.	Changes the setting item in the selected setting item	MODE
⑧	Numeric Keypad (1 to 6)	Stores/Recalls setting value	Preset buttons (1 to 6)

iPod™ (Optional)



An iPod™ can be connected to the DVA-9861E by using the proprietary ALPINE FULL SPEED™ Connection Cable (KCE-422i). When the DVA-9861E is connected by using the cable, the controls on the iPod™ are not functional.

About iPods™ usable with this unit

The unit can be used with third generation and above iPod™, iPod™ photo, iPod™ mini or iPod™ nano. iPod™ Shuffle cannot be used, however.

- *Touch wheel or scroll wheel type iPods without the dock connector cannot be connected to the unit.*
- *The unit can be used with the following iPod versions. Correct function of earlier versions cannot be guranteed.*

  Third generation iPod: Ver. 2.3
  Forth generation iPod: Ver 3.0.2
  iPod photo: Ver.1.1
  iPod mini: Ver. 1.3
  iPod nano: Ver. 1.0

- *The unit cannot be used with the software versions earlier than 2005-02-22. For details about "iPod Software Update," refer to the iPod Instruction Manual.*

Playback

1 Press SOURCE/POWER to switch to the IPOD mode.

2 Press ⏮ or ⏭ to select the desired song.

Return to the beginning of the current song:
Press ⏮.

Fast backward:
Press and hold ⏮.

Advance to the beginning of the next song:
Press ⏭.

Fast forward:
Press and hold ⏭.

3 To pause playback, press ⏯.
Pressing ⏯ again will resume playback.

- *If a song is playing on the iPod when it is connected to the DVA-9861E, it will continue playing after the connection.*

Searching for a desired Song

An iPod can contain hundreds of songs. By keeping these songs organized in playlists, the DVA-9861E can use these to ease song searches.

Searching by Playlist

1 Press 🗐 to activate the search selection mode.

2 Turn the Rotary encoder to select the PLAYLIST search mode, then press 🗐.

PLAYLIST ↔ ARTIST ↔ ALBUM ↔ SONG ↔ PLAYLIST

3*1 Turn the Rotary encoder to select the desired Playlist.

4 Press ⏯.
The selected Playlist is played back.

To search for a song in the selected playlist

1 After selecting the playlist in step 3*1, press 🗐 to change to the song search mode of the selected playlist.

2 Turn the Rotary encoder to select a song and press MODE.
The selected song is played back.

- *While in the search mode, if you press and hold 🗐 for at least 2 seconds, or no operation is performed for 10 seconds, the search mode is cancelled.*
- *While in the search mode, pressing **FUNC.** will return to the previous mode.*
- *All songs in the iPod are played back by selecting the stored "iPod name" in step 3*1.*
- *Playlist search cannot be made during M.I.X. play.*
- *In the search mode, you can jump to an assigned position by pressing any one of buttons 1 through 6 for quick search purposes. For details, refer to "Direct Search Function" (page 42).*
- *"NO SONG" will be displayed if there are no songs in the selected playlist in the PLAYLIST search mode.*

Searching by artist name

1 Press 🗐 to activate the search selection mode.

2 Turn the Rotary encoder to select the ARTIST search mode, then press 🗐.

PLAYLIST ↔ ARTIST ↔ ALBUM ↔ SONG ↔ PLAYLIST

3*2 Turn the Rotary encoder* to select the desired Artist.

4 Press ⏯.
The selected Artist song is played back.

To search for an album of the selected artist

1 After selecting the artist in step 3*2, press 🗐 to change to the album search mode of the selected artist.

2*1 Turn the Rotary encoder to select an album.

3 Press ⏯ to play back all songs of the selected album.

To search for a song of the selected album

1 After selecting the album in step 2*1, press ⧉ to change to the song search mode of the selected album.

2 Turn the Rotary encoder* to select a song and press MODE.
The selected song is played back.

- *While in the search mode, if you press and hold ⧉ for at least 2 seconds, or no operation is performed for 10 seconds, the search mode is cancelled.*
- *While in the search mode, pressing **FUNC.** will return to the previous mode.*
- *If you choose ALL in step 3*2, and you press ▶/II, all songs in iPod are played back. If you choose ALL, and you press ⧉, the ALBUM search mode for all artists is activated.*
- *If you choose ALL in step 2*1, and you press ▶/II, all songs of the selected artist are played back. If you choose ALL, and you press ⧉, the SONG search mode for the selected artist is activated.*
- *Artist name search cannot be made during M.I.X. play.*
- *In the search mode, you can jump to an assigned position by pressing any one of buttons 1 through 6 for quick search purposes. For details, refer to "Direct Search Function" (page 42).*

Searching by album name

1 Press ⧉ to activate the search selection mode.

2 Turn the Rotary encoder to select the ALBUM search mode, then press ⧉.

PLAYLIST ↔ ARTIST ↔ ALBUM ↔ SONG ↔ PLAYLIST

3*3 Turn the Rotary encoder to select the desired Album.

4 Press ▶/II.
The selected Album is played back.

To search for a song of the selected album

1 After selecting the album in step 3*3, press ⧉ to change to the song search mode of the selected album.

2 Turn the Rotary encoder to select a song and press MODE.
The selected song is played back.

- *While in the search mode, if you press and hold ⧉ for at least 2 seconds, or no operation is performed for 10 seconds, the search mode is cancelled.*
- *While in the search mode, pressing **FUNC.** will return to the previous mode.*
- *If you choose ALL in step 3*3, and you press ▶/II, all songs in the iPod will be played back. If you choose ALL, and you press ⧉, the SONG search mode for all albums is activated.*
- *Album name search cannot be made during M.I.X. play.*
- *In the search mode, you can jump to an assigned position by pressing any one of buttons 1 through 6 for quick search purposes. For details, refer to "Direct Search Function" (page 42).*

Searching by song name

1 Press ⧉ to activate the search selection mode.

2 Turn the Rotary encoder to select the SONG search mode, then press ⧉.

PLAYLIST ↔ ARTIST ↔ ALBUM ↔ SONG ↔ PLAYLIST

3 Turn the Rotary encoder to select the desired Song.

4 Press MODE.
The selected song is played back.

- *While in the search mode, if you press and hold ⧉ for at least 2 seconds, or no operation is performed for 10 seconds, the search mode is cancelled.*
- *While in the search mode, pressing **FUNC.** will return to the previous mode.*
- *Song name search cannot be made during M.I.X. play.*
- *In the search mode, you can jump to an assigned position by pressing any one of buttons 1 through 6 for quick search purposes. For details, refer to "Direct Search Function" (page 42).*

Direct Search Function

The unit's direct search function can be used to search for an album, song, etc., more efficiently. In PLAYLIST/ARTIST/ALBUM/SONG mode, you can quickly target any song.

1 In the search mode, press any one of the buttons 1 through 6 to quickly jump skip over a designated percent of your song content.
SONG search example:
If there are 100 songs in your iPod, they are divided into 6 groups using percentages (shown below). These groups are assigned to buttons 1 through 6 on the unit.

Example 1:
Suppose the song you are searching for is located at around the middle (50%) of your library: press button 4 to jump to the 50th song and turn the Rotary encoder to find the song you desire.

Example 2:
Suppose the song you are searching for is located near the end (83%) of your library: press button 6 to jump to the 83rd song and turn the Rotary encoder to find song you desire.

	All 100 songs (100%)					
	0%	17%	33%	50%	67%	83%
Preset buttons	1	2	3	4	5	6
Songs	First song	17th song	33rd song	50th song	67th song	83th song

Select Playlist/Artist/Album

Playlist/Artist/Album can be easily changed.
For example, if you listen to a song from a selected album, the album can be changed.

1 Press ▲ or ▼ to select the desired Playlist/Artist/Album.

- *If search selection mode is not activated, only SONG is searched, this operation is not possible.*
- *If an album is selected from an artist search, the album can be searched.*
- *During shuffle (M.I.X.) playback, this operation is not possible.*

Quick Search

You can search for songs.

1 Press and hold ⧉ for at least 2 seconds to activate Quick Search mode.

2 Turn the Rotary encoder to select a desired song.
The selected song is played back immediately.

- *While in the search mode, if you press and hold ⧉ for at least 2 seconds, or no operation is performed for 10 seconds, the search mode is cancelled.*
- *If many songs are in iPod, it takes time to search for songs.*

Random Play Shuffle (M.I.X.)

The Shuffle function of the iPod is displayed as M.I.X. on the DVA-9861E.

Shuffle Albums:
Album shuffle playback plays back all songs in order, then randomly selects the next album. All songs of that album are played back in order, and so on. Any one album is played just once.

Shuffle Songs:
Song shuffle randomly plays back certain selected songs. Any one song plays back just once until all songs have been played back.

1 Press 5 ∞.
The songs will be played back in random sequence.

🗀 M.I.X. → M.I.X. → (off) → 🗀 M.I.X.
(Shuffle Albums) (Shuffle Songs)

2 To cancel M.I.X. play, select (off) with the above procedure.

- *For details of the search mode, refer to "Searching for a desired Song" (page 41).*
- *If a song is selected in the album search mode before selecting Shuffle (M.I.X.), the songs will not play back randomly even when Shuffle album is selected.*

Shuffle All:
Shuffle ALL plays all songs in the iPod randomly. Any one song does not play back again until all songs have been played back.

1 Press 6.
The songs will be played back in random sequence.

M.I.X. → (off) → M.I.X.
(Shuffle ALL)

2 To cancel M.I.X. play, select (off) with the above procedure.

- *If Shuffle All is selected, the selected ones which being played back in the search mode are cancelled.*

Repeat Play

Only Repeat One is available for the iPod.
Repeat One: A single song is repeatedly played back.

1 Press ↻ 4.
The file will be played repeatedly.

RPT → (off) → RPT
(Repeat One)

2 To cancel repeat play, select (off) with the above procedure.

- *During repeat playback, no other songs are selectable by pressing ⏮ or ⏭.*

Displaying the Text

You can display the tag information of a song in the iPod.

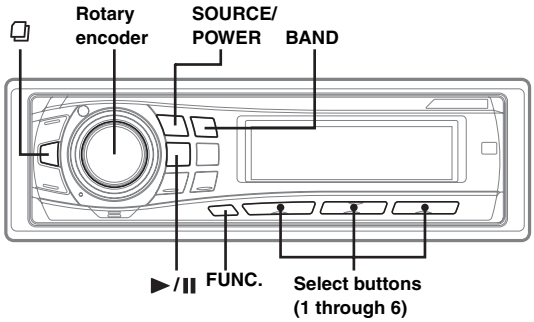
Press TITLE.
Each press changes the display.

TRACK No./ELAPSED TIME → TRACK No./CLOCK → ARTIST NAME* → ALBUM NAME* → SONG TITLE* → TRACK No./ELAPSED TIME

* *TAG information*
If the Scroll setting (page 24) is set to "SCROLL AUTO," the tag information will scroll automatically.
"ARTIST"/"ALBUM"/"SONG" is displayed if there is no tag information.

- *When the Scroll Setting (page 24) is set to "SCROLL MANU," press and hold **TITLE** for at least 2 seconds to scroll the tag information only once.*
- *If the artist, album or song name, created in iTunes, has too many characters, songs may not be played back when connected to the adapter. Therefore, a maximum of 250 characters is recommended. The maximum number of characters for the head unit is 128 (128 byte).*
- *Some characters may not be correctly displayed.*
- *"NO SUPPORT" is displayed when text information is not compatible with the DVA-9861E.*

Changer (Optional)



Controlling CD Changer (Optional)

An optional 6-disc or 12-disc CD Changer may be connected to this unit if it is Ai-NET compatible. With a CD Changer connected to the Ai-NET input of this unit, the CD Changer will be controllable from this unit.
Using the KCA-400C (Multi-Changer Switching device) or the KCA-410C (Versatile Link Terminal) multiple changers can be controlled by this unit.
See "Multi-Changer Selection" on page 44 for selecting the CD Changers.

- *The controls on this unit for CD Changer operation are operative only when a CD Changer is connected.*
- *The DVD changer (optional) is controllable from this unit as well as the CD changer.*

1 Press SOURCE/POWER to activate the CHANGER mode.
The display shows the disc number and track number.

- *The source indicator varies depending on the connected source.*
- *Press **BAND** to switch the Disc mode in the Changer mode.*

2 Press the disc select buttons (1 through 6) corresponding to one of the discs loaded in the CD Changer.
The selected disc number appears in the display and CD playback starts.

- *After selecting the desired disc, you can operate in the same way as for the CD player of this unit.*
  For details, please see the CD/MP3/WMA section.
- *If the "FUNC" indicator is illuminated, the disc select buttons become nonfunctional.*

When a 12-disc CD Changer is connected:
To select discs numbered from 1 to 6, the procedure is the same as for the 6-disc CD Changer. To select discs numbered from 7 to 12, first press FUNC. to choose the disc select mode (7 to 12). This changes the "D" indicator to "d". Then press the desired select button. The select buttons 1 to 6 will represent discs 7 to 12 respectively.

Quick Search

You can search for tracks (files).

1 Press and hold ⧉ for at least 2 seconds in the Changer mode to activate Quick Search mode.

2 Turn the Rotary encoder within 10 seconds to select a desired track (file).
The selected track is played back immediately.

- *Quick Search mode is cancelled by pressing and holding ⧉ for at least 2 seconds.*

Playing MP3 Files with the CD Changer (Optional)

If you connect a changer compatible with MP3, you can play CD-ROMs, CD-Rs, and CD-RWs containing MP3 files on this unit.

1 Press SOURCE/POWER to switch to the MP3 Changer mode.

2 Press any one of the disc select buttons(1 through 6) corresponding to one of the discs loaded in the CD Changer.

3 To pause playback, press ▶/II.
Pressing ▶/II again will resume playback.

- *The unit can play discs containing both audio data and MP3 data.*
- *For operating MP3 with an MP3 compatible CD Changer, refer to "CD/MP3/WMA" pages 10 to 13.*

Multi-Changer Selection (Optional)

Alpine's Ai-NET system will support up to 6 CD Changers. When operating two or more changers, the KCA-400C (Multi-Changer Switching device) must be used. If you use 1 Switching device, you can connect up to 4 CD Changers. If you use 2 Switching devices, you can connect up to 6 CD Changers. When using KCA-410C (Versatile Link Terminal), you can connect two changers and two external outputs (AUX).

1 Press SOURCE/POWER on this unit to activate the CD Changer mode.

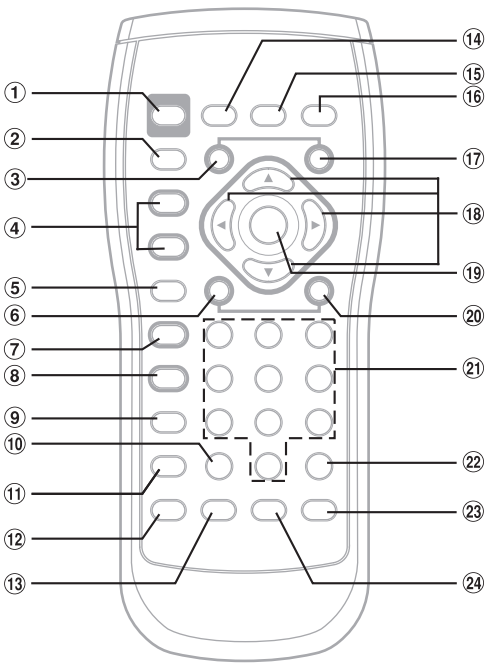
2 Press BAND to activate the CD Changer Selection mode.
The CD Changer Selection mode remains active for several seconds.

3 Press BAND until the desired CD Changer indicator appears on the display.

- *If the selected CD Changer is not connected, the display will show "NO CHGR.-No."*
- *To operate the selected changer, see "CD/MP3/WMA" (page 10-13).*
- *For further details about the external input (AUX) when using KCA-410C, see "Setting the AUX Mode (V-Link)" on page 24.*

Remote Control

Controls on Remote Control



① **PWR Button**
Turns the power ON and OFF.

② **SRC Button**
Selects the audio source.

③ **DN Button**

Radio mode: Selects, in descending order, stations programmed into the radio's presets.

MP3/WMA mode:
Folder Select (DN) Button selects the folder.

DVD mode: Selects programme/playlist in descending order (DVD-VR only).

Changer mode:
DISC Select (DN) Button selects a disc in descending order.

MP3 compatible CD changer mode:
Pressing and holding the DISC Select (DN) button will select a disc in descending order.

iPod mode: Selects playlist/artist/album in descending order.

④ **VOLUME ▲ / ▼ Button**
Increase or decreases the volume level.

⑤ **RETURN Button**
DVD/Video CD (PBC ON) mode: Returns to the previous display. (Does not return in some discs.)

⑥ **I◄◄ Button**
Radio mode:SEEK (DN) button

CD /Changer mode:
Press the button to go back to the beginning of the current track. Press and hold to fast reverse.

MP3/WMA/iPod mode:
Press the button to go back to the beginning of the current file. Press and hold to fast reverse.

DVD/Video CD:
- Move to the desired position on the disc.
- During playback, press and hold for more than 1 second to reverse the disc at double speed. Hold for more than 5 seconds to reverse the disc at 8 times the normal speed. Hold for more than 10 seconds to reverse the disc at 21 times the normal speed. However, during playback or pause, pressing and holding for at least 1 second will fast reverse the disc at 21 times the normal speed (DVD Audio (VOFF mode)only).
- When pressed and held in while in the pause mode, the disc is played in slow motion at 1/ 8th the normal speed. When held in for 5 more seconds, the slow motion speed switches to 1/2 the normal speed. (only DVD Video).
- During pause, each time press once is played back frame by frame (only DVD Video).

⑦ **►/II Button**
Switches between play and pause.
SEARCH Button
MP3/WMA mode: Pressing more than 2 seconds, activates the Folder/File Name Search mode.

⑧ **■ Button**
Performs stop.

DVD/Video CD: Pressing once sets the PRE- STOP; Pressing twice sets stop.

⑨ **MENU Button**

DVD mode:
- Shows the menu display (DVD Video, DVD Audio only).
- Shows the playlist search list screen (DVD-VR only).

⑩ **CLR Button**
Removes numbers (one character at a time) that have been selected and input.
All the characters which were selected and input are erased or input mode is cancelled.

⑪ **DISP./TOP M. Button**

DVD/Video CD/MP3/WMA mode:
Shows playback status.

DVD mode:
- By pressing more than 2 seconds, shows the monu display (DVD Video, DVD Audio only).
- By pressing more than 2 seconds, shows the programme search list screen (DVD-VR only).

⑫ **SETUP Button**
DVD SETUP list display appears.

⑬ **AUDIO Button**
DVD/Video CD mode: Switches audio.

⑭ **BAND Button**

Radio mode: Changes the band.
CD/MP3/WMA/Changer mode:
Switches the disc mode.

⑮ **A.PROC. Button**
Press the button to call the audio processor list.

⑯ **MUTE Button**
Lowers the volume by 20 dB instantly. Press the button again to cancel.

⑰ **UP Button**

Radio mode: Selects, in ascending order, stations programmed into the radio's presets.
MP3/WMA mode:
Folder Select (UP) Button to select the folder.
DVD mode: Selects programme/playlist in ascending order (DVD-VR only).
Changer mode:
DISC Select (UP) Button selects a disc in ascending order.
MP3 compatible CD changer mode:
Pressing and holding the DISC Select (UP) button will select a disc in ascending order.
iPod mode: Selects a playlist/artist/album in ascending order.

⑱ **▲, ▼, ◄, ►**
Selects an item displayed in the screen.

⑲ **ENT. Button**
Enters the selected item.

⑳ **►►I Button**

Radio mode: SEEK (UP) button
CD/Changer mode:
Press the button to advance to the beginning of the next track. Press and hold to fast forward.
MP3/WMA/iPod mode:
Press the button to advance to the beginning of the next file. Press and hold to fast forward.

DVD/Video CD:
- Move to the desired position on the disc.
- During playback, press and hold for more than 1 second to forward the disc at double speed. Hold for more than 5 seconds to forward the disc at 8 times the normal speed. Hold for more than 10 seconds to forward the disc at 21 times the normal speed. However, during playback or pause, pressing and holding for at least 1 second will fast forward the disc at 21 times the normal speed (DVD Audio (VOFF mode)only).
- When pressed and held in while in the pause mode, the disc is played in slow motion at 1/8th the normal speed. When held in for 5 more seconds, the slow motion speed switches to 1/2 the normal speed. (DVD-Video, DVD-VR, Video CD only)
- The picture is forwarded by one frame each time the button is pressed in the pause mode. (DVD-Video, DVD-VR, Video CD only)

㉑ **Numeric Keypad**
Inputs numbers.

㉒ **MONITOR Button**
Not Used.

㉓ **ANGLE Button**
DVD mode: Switches the angle of the picture.

㉔ **SUBTITLE Button**
DVD mode: Switches the subtitle.

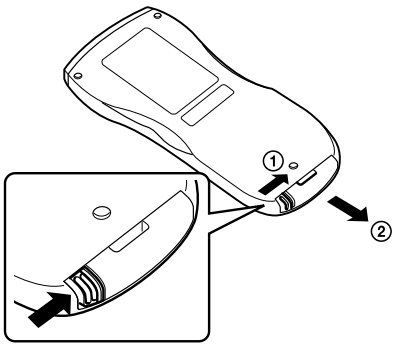
When Using the Remote Control

- **Point the remote control at the remote sensor within about 2 meters.**
- **It may not be possible to operate the remote control if the remote control sensor is exposed to direct sunlight.**
- **The remote control is a small, lightweight precision device. To avoid damage, short battery life, operational errors and poor response, observe the following.**
  - **Do not subject the remote control to excessive shock.**
  - **Do not put in a trouser pocket.**
  - **Keep away from food, moisture and dirt.**
  - **Do not place in direct sunshine.**

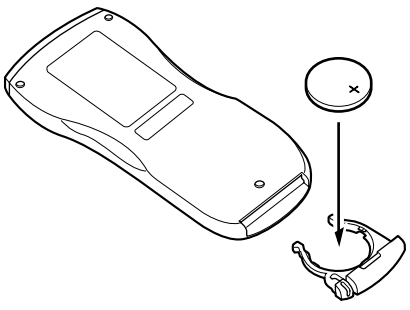
Battery Replacement

Battery type: CR2025 battery or equivalent.

1 **Opening the battery case**
Slide out the battery cover while firmly pressing in the direction of the arrow.



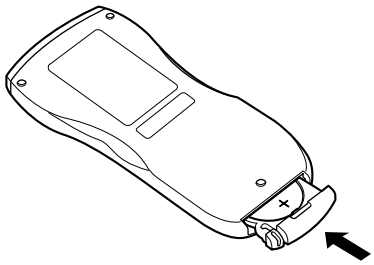
2 **Replacing the battery**
Put the battery in the case with the (+) indication upward as shown in the illustration.



- *Placing a battery in backwards way may cause a malfunction.*

3 Closing the cover

Slide the cover as illustrated until a click is heard.



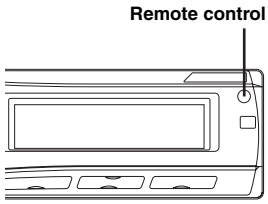
⚠ Warning

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

Controllable With Remote Control

Point the remote control transmitter at the remote control sensor.



Connectable to Remote Control Interface Box

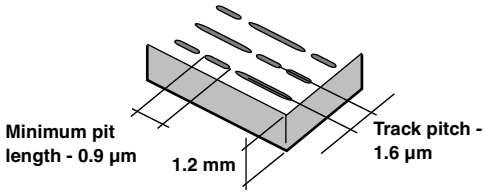
You can operate this unit from the vehicle's control unit when an Alpine Remote Control Interface Box (optional) is connected. For details, contact your Alpine dealer.

Information

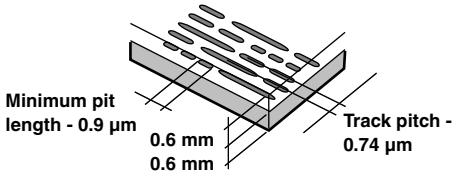
About DVDs

Music CDs and DVDs have grooves (tracks) in which the digital data is recorded. The data is represented as microscopic pits recorded into the track these pits are read by a laser beam to play the disc. On DVDs, the density of the tracks and pits is twice that of CDs, so DVDs can contain more data in less space.

CDs



DVDs



A 12 cm disc can contain one movie or about four hours of music. In addition, DVDs provide sharp picture quality with vivid colours thanks to a horizontal resolution of over 500 lines (compared to less than 300 for VHS tape). With the addition of an optional, digital audio processor (PXA-H900, PXA-H701, etc.), you can recreate the power and presence of a movie theatre with Dolby Digital 5.1-channel Surround.

In addition, DVDs offer a variety of functions.

- **Multiple audio* (page 18)**
  Movies can be recorded in up to eight languages. The desired language can be selected from the remote control.
- **Subtitles function* (page 18)**
  Movies can include subtitles in up to 32 languages. The desired subtitle language can be selected from the remote control.
- **Multi angle function* (page 18)**
  When the DVD contains a movie shot from multiple angles, the desired angle can be selected from the remote control.
- **Multi story function***
  With this function, a single movie includes various story lines. You can select different story lines to view various versions of the same movie.
  Operation differs from disc to disc. Story line selection screens including instructions appear during the movie. Just follow the instructions.

* *The functions, audio languages, subtitle languages, angles, etc., differ from disc to disc. For details, refer to the disc's instructions.*

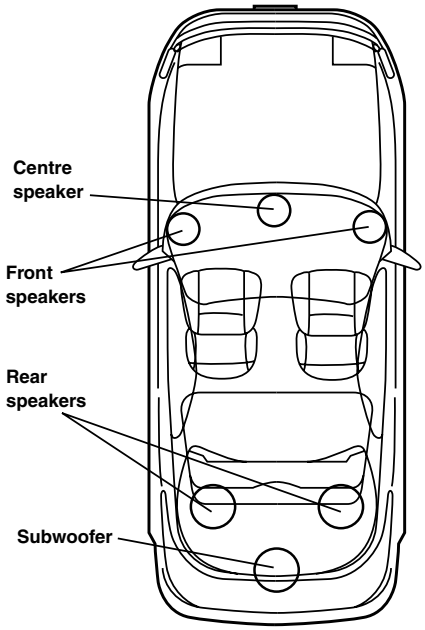
Terminology

Dolby Digital

Dolby Digital is a digital audio compression technology developed by Dolby Laboratories that allows large quantities of audio data to be efficiently recorded on discs. It is compatible with audio signals from mono (1 channel) all the way up to 5.1-channel surround sound. The signals for the different channels are completely independent, and since the sound is high quality digital there is no loss of sound quality.

* *The separately sold digital audio processor (PXA-H900, PXA-H701, etc.) is required to enjoy full 5.1-channel surround sound.*

The DVA-9861E performs Dolby Digital decoding when it outputs analog audio signals; 2-channel audio, not 5.1-channel.



Speaker layout for enjoying Dolby Digital sound/dts sound

DTS

This is a home-use digital sound format of the DTS Sound System. This is a high quality sound system, developed by Digital Theater Systems, Inc. for use in movie theaters.

DTS has six independent sound tracks. The theatre presentation is fully realized in the home, etc. DTS is the abbreviation for Digital Theater System.

* *To enjoy DTS surround sound you need the separately sold DTS digital audio processor (PXA-H900, PXA-H701, etc.). The DVD video software must also have a DTS sound track.*

The DVA-9861E has a built-in DTS 2-channel audio decoder. Analog audio outputs are available.

Dolby Pro Logic

Dolby Pro Logic is the technology used to decode programs encoded in Dolby Surround. Pro logic decoding will provide you with four channels of sound (front left/right, centre and monaural rear surround) from a 2-channel (stereo) source.

* *The separately sold digital audio processor (PXA-H900) is required to enjoy Dolby Pro Logic surround sound.*

Dolby Pro Logic II

Dolby Pro Logic II plays 2-channel sources in 5 channels over the entire frequency range.

This is done with an advanced, high sound quality matrix surround decoder which draws out the spatial properties of the original recording without adding any sounds to or changing the sound of the source.

* *The separately sold digital audio processor (PXA-H701, etc.) is required to enjoy Dolby Pro Logic II surround sound.*

Linear PCM audio (LPCM)

LPCM is a signal recording format used for music CDs. Whereas music CDs are recorded at 44.1 kHz/16 bits, DVDs are recorded at 48 kHz/16 bits to 96 kHz/24 bits, thereby achieving higher sound quality than music CDs.

Rating levels (parental lock)

This is a DVD function for restricting the viewing age as stipulated by censorship laws in different countries. The way in which viewing is restricted differs from DVD to DVD. Sometimes the DVD cannot be played at all, other times certain scenes are skipped, and other times certain scenes are replaced with other scenes.

List of Language Codes

(For details, see page 26.)

Abbreviation	Code	Language	Abbreviation	Code	Language	Abbreviation	Code	Language
AA	6565	Afar	IE	7369	Interlingue	RN	8278	Kirundi
AB	6566	Abkhazian	IK	7375	Inupiak	RO	8279	Romanian
AF	6570	Afrikaans	IN	7378	Indonesian	RU	8285	Russian
AM	6577	Amharic	IS	7383	Icelandic	RW	8287	Kinyarwanda
AR	6582	Arabic	IT	7384	Italian	SA	8365	Sanskrit
AS	6583	Assamese	IW	7387	Hebrew	SD	8368	Sindhi
AY	6589	Aymara	JA	7465	Japanese	SG	8371	Sangho
AZ	6590	Azerbaijani	JI	7473	Yiddish	SH	8372	Serbo-Croatian
BA	6665	Bashkir	JW	7487	Javanese	SI	8373	Singhalese
BE	6669	Byelorussian	KA	7565	Georgian	SK	8375	Slovak
BG	6671	Bulgarian	KK	7575	Kazakh	SL	8376	Slovenian
BH	6672	Bihari	KL	7576	Greenlandic	SM	8377	Samoan
BI	6673	Bislama	KM	7577	Cambodian	SN	8378	Shona
BN	6678	Bengali, Bangla	KN	7578	Kannada	SO	8379	Somali
BO	6679	Tibetan	KO	7579	Korean	SQ	8381	Albanian
BR	6682	Breton	KS	7583	Kashmiri	SR	8382	Serbian
CA	6765	Catalan	KU	7585	Kurdish	SS	8383	Siswati
CO	6779	Corsican	KY	7589	Kirghiz	ST	8384	Sesotho
CS	6783	Czech	LA	7665	Latin	SU	8385	Sundanese
CY	6789	Welsh	LN	7678	Lingala	SV	8386	Swedish
DA	6865	Danish	LO	7679	Laothian	SW	8387	Swahili
DE	6869	German	LT	7684	Lithuanian	TA	8465	Tamil
DZ	6890	Bhutani	LV	7686	Latvian, Lettish	TE	8469	Telugu
EL	6976	Greek	MG	7771	Malagasy	TG	8471	Tajik
EN	6978	English	MI	7773	Maori	TH	8472	Thai
EO	6979	Esperanto	MK	7775	Macedonian	TI	8473	Tigrinya
ES	6983	Spanish	ML	7776	Malayalam	TK	8475	Turkmen
ET	6984	Estonian	MN	7778	Mongolian	TL	8476	Tagalog
EU	6985	Basque	MO	7779	Moldavian	TN	8478	Setswana
FA	7065	Persian	MR	7782	Marathi	TO	8479	Tonga
FI	7073	Finnish	MS	7783	Malay	TR	8482	Turkish
FJ	7074	Fiji	MT	7784	Maltese	TS	8483	Tsonga
FO	7079	Faroese	MY	7789	Burmese	TT	8484	Tatar
FR	7082	French	NA	7865	Nauru	TW	8487	Twi
FY	7089	Frisian	NE	7869	Nepali	UK	8575	Ukrainian
GA	7165	Irish	NL	7876	Dutch	UR	8582	Urdu
GD	7168	Scots Gaelic	NO	7879	Norwegian	UZ	8590	Uzbek
GL	7176	Galician	OC	7967	Occitan	VI	8673	Vietnamese
GN	7178	Guarani	OM	7977	(Afan) Oromo	VO	8679	Volapuk
GU	7185	Gujarati	OR	7982	Oriya	WO	8779	Wolof
HA	7265	Hausa	PA	8065	Punjabi	XH	8872	Xhosa
HI	7273	Hindi	PL	8076	Polish	YO	8979	Yoruba
HR	7282	Croatian	PS	8083	Pashto, Pushto	ZH	9072	Chinese
HU	7285	Hungarian	PT	8084	Portuguese	ZU	9085	Zulu
HY	7289	Armenian	QU	8185	Quechua			
IA	7365	Interlingua	RM	8277	Rhaeto-Romance			

List of Country Codes

(For details, see page 26.)

Abbreviation	Code	Country	Abbreviation	Code	Country	Abbreviation	Code	Country
AD	6568	Andorra	DM	6877	Dominica	KI	7573	Kiribati
AE	6569	United Arab Emirates	DO	6879	Dominican Republic	KM	7577	Comoros
AF	6570	Afghanistan	DZ	6890	Algeria	KN	7578	Saint Kitts and Nevis
AG	6571	Antigua and Barbuda	EC	6967	Ecuador	KP	7580	Korea, Democratic People's Republic of
AI	6573	Anguilla	EE	6969	Estonia			
AL	6576	Albania	EG	6971	Egypt	KR	7582	Korea, Republic of
AM	6577	Armenia	EH	6972	Western Sahara	KW	7587	Kuwait
AN	6578	Netherlands Antilles	ER	6982	Eritrea	KY	7589	Cayman Islands
AO	6579	Angola	ES	6983	Spain	KZ	7590	Kazakstan
AQ	6581	Antarctica	ET	6984	Ethiopia	LA	7665	Lao People's Democratic Republic
AR	6582	Argentina	FI	7073	Finland			
AS	6583	American Samoa	FJ	7074	Fiji	LB	7666	Lebanon
AT	6584	Austria	FK	7075	Falkland Islands	LC	7667	Saint Lucia
AU	6585	Australia	FM	7077	Micronesia, Federated States of	LI	7673	Liechtenstein
AW	6587	Aruba	FO	7079	Faroe Islands	LK	7675	Sri Lanka
AZ	6590	Azerbaijan	FR	7082	France	LR	7682	Liberia
BA	6665	Bosnia and Herzegovina	GA	7165	Gabon	LS	7683	Lesotho
BB	6666	Barbados	GB	7166	United Kingdom	LT	7684	Lithuania
BD	6668	Bangladesh	GD	7168	Grenada	LU	7685	Luxembourg
BE	6669	Belgium	GE	7169	Georgia	LV	7686	Latvia
BF	6670	Burkina Faso	GF	7170	French Guiana	LY	7689	Libyan Arab Jamahiriya
BG	6671	Bulgaria	GH	7172	Ghana	MA	7765	Morocco
BH	6672	Bahrain	GI	7173	Gibraltar	MC	7767	Monaco
BI	6673	Burundi	GL	7176	Greenland	MD	7768	Moldova, Republic of
BJ	6674	Benin	GM	7177	Gambia	MG	7771	Madagascar
BM	6677	Bermuda	GN	7178	Guinea	MH	7772	Marshall Islands
BN	6678	Brunei Darussalam	GP	7180	Guadeloupe	MK	7775	Macedonia, The former Yugoslav Republic of
BO	6679	Bolivia	GQ	7181	Equatorial Guinea			
BR	6682	Brazil	GR	7182	Greece	ML	7776	Mali
BS	6683	Bahamas	GS	7183	South Georgia and the South Sandwich Islands	MM	7777	Myanmar
BT	6684	Bhutan				MN	7778	Mongolia
BV	6686	Bouvet Island	GT	7184	Guatemala	MO	7779	Macau
BW	6687	Botswana	GU	7185	Guam	MP	7780	Northern Mariana Islands
BY	6689	Belarus	GW	7187	Guinea-Bissau	MQ	7781	Martinique
BZ	6690	Belize	GY	7189	Guyana	MR	7782	Mauritania
CA	6765	Canada	HK	7275	Hong Kong	MS	7783	Montserrat
CC	6767	Cocos (Keeling) Islands	HM	7277	Heard Island and McDonald Islands	MT	7784	Malta
CD	6768	Congo, the Democratic Republic of the				MU	7785	Mauritius
			HN	7278	Honduras	MV	7786	Maldives
CF	6770	Central African Republic	HR	7282	Croatia	MW	7787	Malawi
CG	6771	Congo	HT	7284	Haiti	MX	7788	Mexico
CH	6772	Switzerland	HU	7285	Hungary	MY	7789	Malaysia
CI	6773	Cote d'Ivoire	ID	7368	Indonesia	MZ	7790	Mozambique
CK	6775	Cook Islands	IE	7369	Ireland	NA	7865	Namibia
CL	6776	Chile	IL	7376	Israel	NC	7867	New Caledonia
CM	6777	Cameroon	IN	7378	India	NE	7869	Niger
CN	6778	China	IO	7379	British Indian Ocean Territory	NF	7870	Norfolk Island
CO	6779	Colombia	IQ	7381	Iraq	NG	7871	Nigeria
CR	6782	Costa Rica	IR	7382	Iran, Islamic Republic of	NI	7873	Nicaragua
CU	6785	Cuba	IS	7383	Iceland	NL	7876	Netherlands
CV	6786	Cape Verde	IT	7384	Italy	NO	7879	Norway
CX	6788	Christmas Island	JM	7477	Jamaica	NP	7880	Nepal
CY	6789	Cyprus	JO	7479	Jordan	NR	7882	Nauru
CZ	6790	Czech Republic	JP	7480	Japan	NU	7885	Niue
DE	6869	Germany	KE	7569	Kenya	NZ	7890	New Zealand
DJ	6874	Djibouti	KG	7571	Kyrgyzstan	OM	7977	Oman
DK	6875	Denmark	KH	7572	Cambodia	PA	8065	Panama

Abbreviation	Code	Country	Abbreviation	Code	Country	Abbreviation	Code	Country
PE	8069	Peru	SJ	8374	Svalbard and Jan Mayen	TW	8487	Taiwan, Province of China
PF	8070	French Polynesia	SK	8375	Slovakia	TZ	8490	Tanzania, United Republic of
PG	8071	Papua New Guinea	SL	8376	Sierra Leone	UA	8565	Ukraine
PH	8072	Philippines	SM	8377	San Marino	UG	8571	Uganda
PK	8075	Pakistan	SN	8378	Senegal	UM	8577	United States Minor Outlying Islands
PL	8076	Poland	SO	8379	Somalia	US	8583	United States
PM	8077	Saint Pierre and Miquelon	SR	8382	Suriname	UY	8589	Uruguay
PN	8078	Pitcairn	ST	8384	Sao Tome and Principe	UZ	8590	Uzbekistan
PR	8082	Puerto Rico	SV	8386	El Salvador	VA	8665	Holy See (Vatican City State)
PT	8084	Portugal	SY	8389	Syrian Arab Republic	VC	8667	Saint Vincent and the Grenadines
PW	8087	Palau	SZ	8390	Swaziland			
PY	8089	Paraguay	TC	8467	Turks and Caicos Islands	VE	8669	Venezuela
QA	8165	Qatar	TD	8468	Chad	VG	8671	Virgin Island, British
RE	8269	Reunion	TF	8470	French Southern Territories	VI	8673	Virgin Islands, U.S
RO	8279	Romania	TG	8471	Togo	VN	8678	Viet Nam
RU	8285	Russian Federation	TH	8472	Thailand	VU	8685	Vanuatu
RW	8287	Rwanda	TJ	8474	Tajikistan	WF	8770	Wallis and Futuna
SA	8365	Saudi Arabia	TK	8475	Tokelau	WS	8783	Samoa
SB	8366	Solomon Islands	TM	8477	Turkmenistan	YE	8969	Yemen
SC	8367	Seychelles	TN	8478	Tunisia	YT	8984	Mayotte
SD	8368	Sudan	TO	8479	Tonga	YU	8985	Yugoslavia
SE	8369	Sweden	TP	8480	East Timor	ZA	9065	South Africa
SG	8371	Singapore	TR	8482	Turkey	ZM	9077	Zambia
SH	8372	Saint Helena	TT	8484	Trinidad and Tobago	ZW	9087	Zimbabwe
SI	8373	Slovenia	TV	8486	Tuvalu			

In Case of Difficulty

If you encounter a problem, please turn the power off, then on again. If the unit is still not functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Basic

No function or display.
- Vehicle's ignition is off.
  - If connected following instructions, the unit will not operate with the vehicle's ignition off.
- Improper power lead (Red) and battery lead (Yellow) connections.
  - Check power lead and battery lead connections.
- Blown fuse.
  - Check the fuse of the unit; replace with the proper value if necessary.
- Internal micro-computer malfunctioned due to interference noise etc.
  - Press the RESET switch with a ballpoint pen or other pointed article.

Unit does not operate.
- Monitor's power is not turned on.
  - Turn on the monitor's power.
- Condensation.
  - Wait a while (about 1 hour) for the condensation to dry.

No picture is produced.
- Monitor's mode is not switched to the mode you want to see.
  - Switch to the mode you want to see.
- Monitor's parking brake wire is not connected.
  - Connect the monitor's parking brake wire and set the parking brake. (For details, refer to the monitor's instructions.)

Picture is unclear or noisy.
- Disc is being fast-forwarded or fast-reversed.
  - The picture may be unclear, but this is normal.
- Vehicle's battery power is weak.
  - Check the battery power and wiring. (The unit may malfunction if the battery power is under 11 volts with a load applied.)
- Monitor's fluorescent tube is worn out.
  - Replace the monitor's fluorescent tube.

Radio

Unable to receive stations.
- No antenna or open connection in cable.
  - Make sure the antenna is properly connected; replace the antenna or cable if necessary.

Unable to tune stations in the seek mode.
- You are in a weak signal area.
  - Make sure the tuner is in the DX mode.
- If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.
  - Check your antenna connections; make sure the antenna is properly grounded at its mounting location.
- The antenna may not be the proper length.
  - Make sure the antenna is fully extended; if broken, replace the antenna with a new one.

Broadcast is noisy.
- The antenna is not the proper length.
  - Extend the antenna fully; replace it if it is broken.
- The antenna is poorly grounded.
  - Make sure the antenna is grounded properly at its mounting location.

CD/MP3/WMA/DVD/Video CD

Disc Player not functioning.
- Out of operating temperature range +50°C (+120°F) for CD.
  - Allow the vehicle's interior (or trunk) temperature to cool.

Disc playback sound is wavering.
- Moisture condensation in the disc unit.
  - Allow enough time for the condensation to evaporate (about 1 hour).

Disc insertion not possible.
- A disc is already in the DVD player.
  - Eject the disc and remove it.
- The disc is being improperly inserted.
  - Re-insert the disc following the instructions in the "loading and unloading discs" section.

Unable to fast forward or reverse the disc.
- The disc has been damaged.
  - Eject the disc and discard it; using a damaged disc in your unit can cause damage to the mechanism.

Disc playback sound skips due to vibration.
- Improper mounting of the unit.
  - Securely re-mount the unit.
- The disc is very dirty.
  - Clean the disc.
- The disc has scratches.
  - Change the disc.
- The pick-up lens is dirty.
  - Do not use a commercial available lens cleaner disc. Consult your nearest Alpine dealer.

Disc playback sound skips without vibration.
- The disc is dirty or scratched.
  - Clean the disc; damaged disc should be replaced.

CD-R/CD-RW playback not possible.
- Close session (finalization) has not been performed.
  - Perform finalization and attempt playback again.

Error displays
- Mechanical error
  - Press ⏏. After the error indication disappears, insert the disc again. If the above-mentioned solution does not solve the problem, consult your nearest Alpine dealer.

MP3 is not played back.
- Writing error occurred. The CD format is not compatible.
  - Make sure the CD has been written in a supported format. Refer to "About MP3/WMA" on pages 12-13, then rewrite in the format supported by this device.

Playback does not start.
- Disc is loaded upside-down.
  - Check the disc and load it with the labeled side facing upward.
- Disc is dirty.
  - Clean the disc.
- A disc not able to playback with this unit is loaded.
  - Check if the disc is able to be played back.
- Parental lock is set.
  - Cancel the parental lock or change the rating level.

Image stops sometimes.

- Disc is scratched.
  - Replace with a non-scratched disc.

Audio

The sound is not output from the speakers.

- Unit has no output signal of the internal amplifier.
  - POWER IC is switched to "ON" (page 24).

Indication for CD Player

HI TEMP

- Protective circuit is activated due to high temperature.
  - The indicator will disappear when the temperature returns to within operation range.

NO DISC

- No CD is inserted.
  - Insert a CD.
- Although a disc is inserted, "NO DISC" is displayed and the unit does not start to play or eject the disc.
  - Remove the disc by following these steps:
    Press the ⏏ button again for at least 2 seconds.
    If the disc still does not eject, consult your Alpine dealer.

ERROR

- Mechanism error.
  1) Press the ⏏ button and eject the CD.
     If not ejecting, consult your Alpine dealer.
  2) When the error indication remains after ejecting, press the ⏏ button again.
     If the error indication still does not turn off after pressing the ⏏ button for a few times, consult your Alpine dealer.
- *When "ERROR" is displayed:*
  If that the disc cannot be ejected by pressing ⏏, press the RESET switch (refer to page 9) and press ⏏ again.
  If the disc still cannot be ejected, consult your Alpine dealer.

PROTECT

- A copy-protected WMA file was played back.
  - You can only play back non-copy-protected files.

UNSUPPORTED

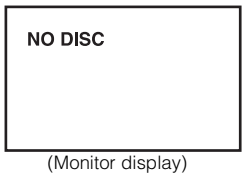
- The disc is not written in a MP3/WMA supported format.
  - Use a disc written at the MP3/WMA supported format.

Indication for DVD/Video CD Player

(Monitor display)

(Audio display)

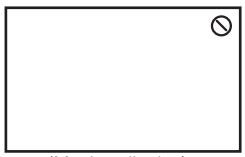
- Mechanism error.
  1) Press ⏏ and eject the disc.
     If the disc does not eject, press ⏏ again for at least 2 seconds and eject the disc.
     If the disc still does not eject, consult your Alpine dealer.
  2) When the error indication remains after ejecting, press ⏏ again.
     If the error indication still does not turn off after pressing ⏏ a few times, consult your Alpine dealer.



(Monitor display)

(Audio display)

- No disc is inserted.
  - Insert a disc.
- Although a disc is inserted, "NO DISC" is displayed and the unit does not start to play or eject the disc.
  - Remove the disc by following step:
    Press ⏏ again for at least 2 seconds.



(Monitor display)

- Remote control operation is not possible.
  - For some discs or playing modes, certain operations are not possible. This is not a malfunction.

(Monitor display)

(Audio display)

- Disc does not match regional code number.
  - Load a disc that matches the regional code number.

(Monitor display)

HI TEMP

(Audio display)

- Protective circuit is activated due to high temperature.
  - The indicator will disappear when the temperature returns to within operation range.
  - Leave the power OFF until the temperature decreases and then turn the power ON again.

ERROR

(Audio display)

(Monitor display)

- Mechanism error.
  1) Press ⏏ and eject the disc.
     If the disc does not eject, press ⏏ again for at least 2 seconds and eject the disc.
     If the disc still does not eject, consult your Alpine dealer.
  2) When the error indication remains after ejecting, press ⏏ again.
     If the error indication still does not turn off after pressing ⏏ a few times, consult your Alpine dealer.

Indication for Changer

HI TEMP

- Protective circuit is activated due to high temperature.
  - The indication will disappear when the temperature returns to normal operating range.

ERROR-01

- Malfunction in the Changer.
  - Consult your Alpine dealer. Press the magazine eject button and pull out the magazine.
    Check the indication. Insert the magazine again.
    If the magazine cannot be pulled out, consult your Alpine dealer.
- Magazine ejection not possible.
  - Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.

ERROR-02

- A disc is left inside the Changer.
  - Press the eject button to activate the eject function. When the Changer finishes the eject function, insert an empty magazine into the Changer to receive the disc left inside the Changer.

NO MAGZN

- No magazine is loaded into the Changer.
  - Insert a magazine.

NO DISC

- No indicated disc.
  - Choose another disc.

Indication for iPod Mode

NO IPOD

- The iPod is not connected.
  - Make sure the iPod is correctly connected (refer to “Connections”).
    Make sure the cable is not bent excessively.
- The iPod’s battery remains low.
  - Refer to the iPod’s documentation and charge the battery.

NO SONG

- There are no songs in the iPod.
  - Download songs to the iPod and connect to the adapter.

ERROR-01

- Communication error
  - Turn the ignition key off, and then set to ACC or ON again.
  - Check the display by reconnecting between the iPod and the adapter, using the iPod connection cable.

ERROR-02

- Caused by the iPod Software Version not being compatible with this unit.
  - Update the iPod Software Version to be compatible with this unit.

Specifications

FM TUNER SECTION

Tuning Range	87.5 – 108.0 MHz
Mono Usable Sensitivity	9.3 dBf (0.8 µV/75 ohms)
50 dB Quieting Sensitivity	13.5 dBf (1.3 µV/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

AM TUNER SECTION

Tuning Range	531 – 1602 kHz
Sensitivity (IEC Standard)	22.5 µV/27 dB

CD/DVD SECTION

Frequency Response	5 – 20,000 Hz (±1 dB)
Wow & Flutter (% WRMS)	Below measurable limits
Total Harmonic Distortion	0.008% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Channel Separation	85 dB (at 1 kHz)
Signal system	NTSC/PAL
Horizontal resolution	500 lines or greater
Video output level	1Vp-p (75 ohms)
Video S/N ratio	DVD: 60 dB
Audio S/N ratio	105 dB

PICKUP

Wave length	DVD: 665nm CD: 785nm
Laser power	CLASS II

REMOTE CONTROL

Battery Type	CR2025 battery
Width	51 mm (2")
Height	119 mm (4-11/16")
Depth	13 mm (33/64")
Weight	50 g (1.75 oz) (battery excluded)

GENERAL

Power Requirement	14.4 V DC (11–16 V allowable)
Maximum Power Output	50W × 4
Maximum Pre-Output Voltage	4 V/10 k ohm
Bass	+ 20 dB/– 14dB at 60 Hz
Treble	± 14 dB at 10 kHz
Weight	1.6 kg (3 lbs. 8 oz)

CHASSIS SIZE

Width	178 mm (7")
Height	50 mm (2")
Depth	166 mm (6-9/16")

NOSEPIECE SIZE

Width	170 mm (6-3/4")
Height	46 mm (1-13/16")
Depth	18 mm (11/16")

- *Due to continuous product improvement, specifications and design are subject to change without notice.*

Installation and Connections

Before installing or connecting the unit, please read the following and pages 4 and 5 of this manual thoroughly for proper use.

⚠ Warning

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury.
If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

⚠ Caution

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

- Be sure to disconnect the cable from the (–) battery post before installing your DVA-9861E. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.
- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the DVA-9861E to the fuse box, make sure the fuse for the intended circuit of the DVA-9861E has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your Alpine dealer.
- The DVA-9861E uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized Alpine dealer for assistance.
- Be sure to connect the speaker (–) leads to the speaker (–) terminal. Never connect left and right channel speaker cables to each other or to the vehicle body.

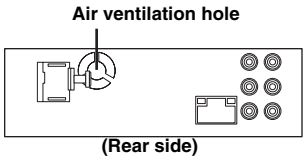
IMPORTANT
Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number or the engraved serial number is located on the bottom of the unit.

SERIAL NUMBER: _____
INSTALLATION DATE: _____
INSTALLATION TECHNICIAN: _____
PLACE OF PURCHASE: _____

Installation

Caution

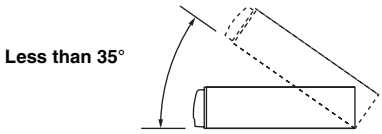
Do not block the unit's fan or heat sink, thus preventing air circulation. If blocked, heat will accumulate inside the unit and may cause a fire.



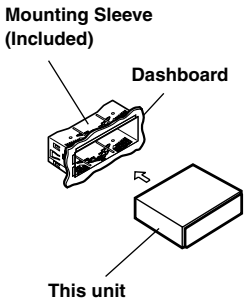
Accessory List

- Head unit 1
- Power cable 1
- Mounting sleeve 1
- Carrying case 1
- Bracket key 2
- Screw (M5x8) 4
- RCA extension cable (Video) (2 m) 1
- Remote control 1
- Battery (CR2025) 1
- Owner's Manual .....1 set

- *The main unit must be mounted within 35 degrees of the horizontal plane, back to front.*



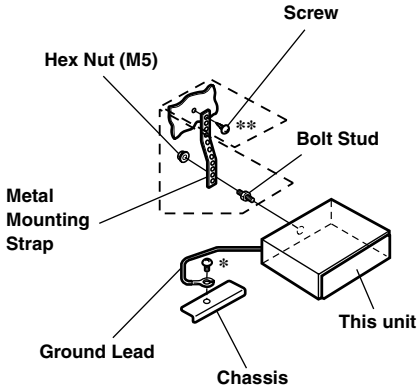
1



Remove the Detachable Front Panel (refer to page 8).
Slide mounting sleeve from main unit.
(see "Removal" on page 58).
Slide the mounting sleeve into the dashboard.

- *Please examine the installation. Make certain that no external pressure is applied to either the top of the unit or the removable nosepiece.*

2



Reinforce the head unit with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot using a screw (*) already attached to the vehicle's chassis.

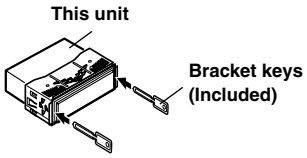
- *For the screw marked **, use an appropriate screw for the chosen mounting location.*

Connect each input lead coming from an amplifier or equalizer to the corresponding output lead coming from the left rear of the DVA-9861E. Connect all other leads of the DVA-9861E according to details described in the CONNECTIONS section.

3 **Slide the DVA-9861E into the dashboard until it clicks. This ensures that the unit is properly locked and will not accidentally come out from the dashboard. Install the Detachable Front Panel.**

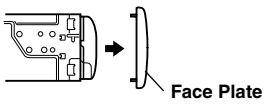
Removal

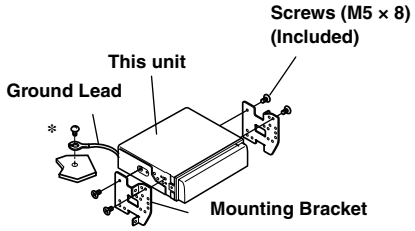
1. Remove the Detachable Front Panel.
2. Insert the bracket keys into the slot and through the guides on either side of the unit. The unit can now be removed from the mounting sleeve.



3. Pull the unit out, keeping it unlocked as you do so.

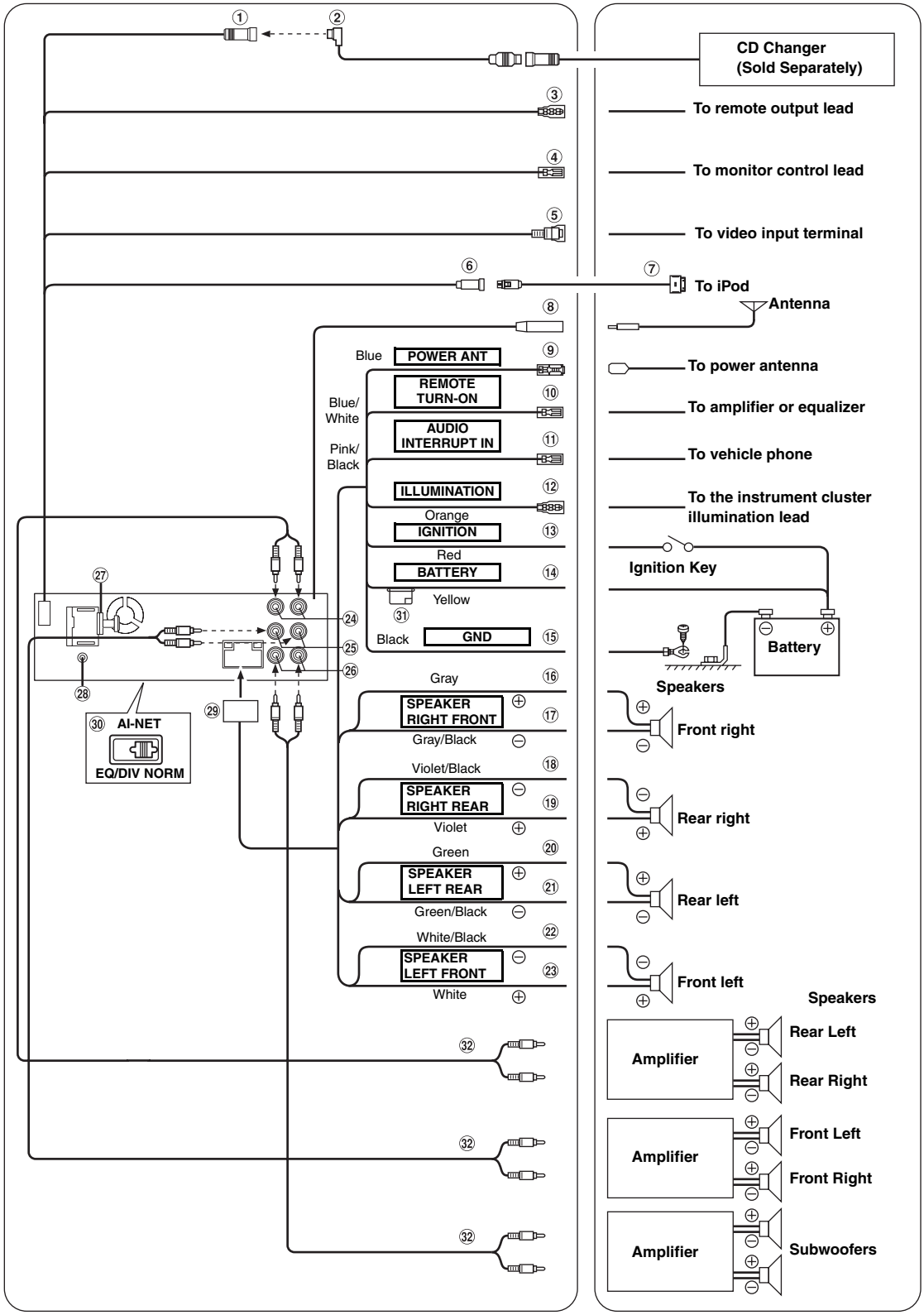
<JAPANESE CAR>





- *Secure the ground lead of the unit to a clean metal spot using a screw (*) already attached to the vehicle's chassis.*

Connections



① **Ai-NET Connector**
Connect this to the output or input connector of another device (CD Changer, Equalizer, etc.) equipped with Ai-NET.

* *Interface adapter for iPod™ (KCA-420i) is not recommended for use with this product.*

- *You can input TV/video sound by connecting an optional Ai-NET/RCA Interface cable (KCA-121B) to this component.*

② **Ai-NET Cable (Included with CD Changer)**

③ **Remote Control Input Lead (White/Brown)**
Connect the external Alpine product to the remote control output llead.

④ **Monitor Control Lead (White/Pink)**
Connect this to the Monitor Control Lead of the touch panel-compatible monitor.

⑤ **Video Output Connector**
This connector is used in combination with the video inputs of another video product (Touch panel compatible monitor, etc.)

⑥ **iPod Direct Connector**
Control iPod signals.
Connect this to an iPod, using the (also separately sold) FULL SPEED™ Connection Cable (KCE-422i).

⑦ **FULL SPEED™ Connection Cable (KCE-422i) (sold separately)**

⑧ **Antenna Receptacle**

⑨ **Power Antenna Lead (Blue)**
Connect this lead to the +B terminal of your power antenna, if applicable.

- *This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier or a signal processor, etc.*

⑩ **Remote Turn-On Lead (Blue/White)**
Connect this lead to the remote turn-on lead of your amplifier or signal processor.

⑪ **Audio Interrupt In Lead (Pink/Black)**

⑫ **Illumination Lead (Orange)**
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the DVA-9861E to dim whenever the vehicle's lights are turned on.

⑬ **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.

⑭ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.

⑮ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑯ **Right Front (+) Speaker Output Lead (Gray)**

⑰ **Right Front (–) Speaker Output Lead (Gray/Black)**

⑱ **Right Rear (–) Speaker Output Lead (Violet/Black)**

⑲ **Right Rear (+) Speaker Output Lead (Violet)**

⑳ **Left Rear (+) Speaker Output Lead (Green)**

㉑ **Left Rear (–) Speaker Output Lead (Green/Black)**

㉒ **Left Front (–) Speaker Output Lead (White/Black)**

㉓ **Left Front (+) Speaker Output Lead (White)**

㉔ **Rear Output RCA Connectors**
RED is right and WHITE is left.

㉕ **Front Output RCA Connectors**
RED is right and WHITE is left.

㉖ **Subwoofer RCA Connectors**
RED is right and WHITE is left.

㉗ **Digital Output Terminal (Optical)**
Use when combining optical digital input compatible products.

㉘ **Steering Remote Control Interface Connector**
Connect to the steering remote control inerface box.

- *Use a steering remote control extension cabel if necessary.*

㉙ **Power Supply Connector**

㉚ **System Switch**
When connecting a processor or divider using Ai-NET, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.

- *Be sure to turn the power off to the unit before changing the switch position.*

㉛ **Fuse Holder (10A)**

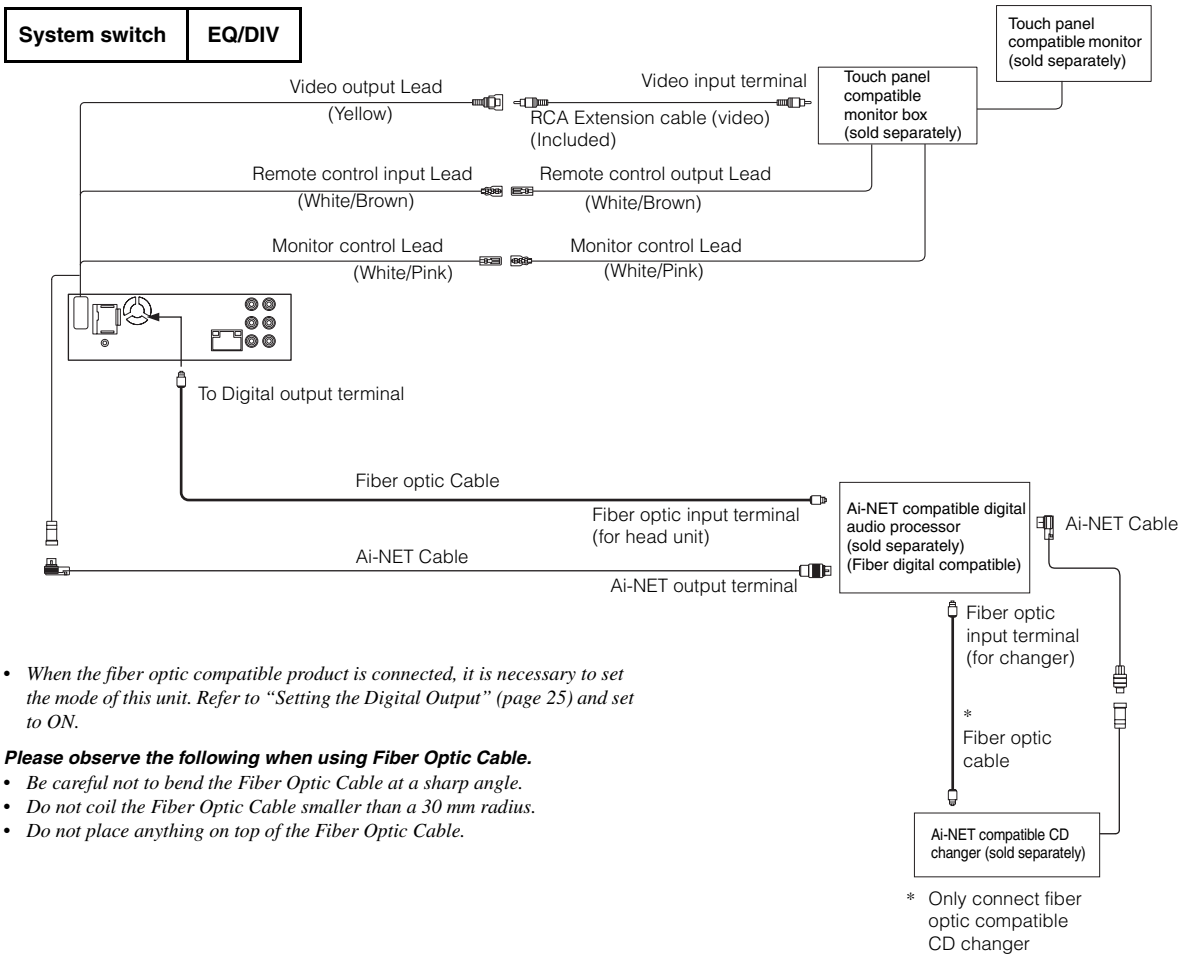
㉜ **RCA Extension Cable (sold Separately)**

To prevent external noise from entering the audio system.

- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

System Example

Connect the Ai-NET compatible digital audio processor (Fiber optic compatible) and touch panel compatible monitor/changer.



- *When the fiber optic compatible product is connected, it is necessary to set the mode of this unit. Refer to "Setting the Digital Output" (page 25) and set to ON.*

Please observe the following when using Fiber Optic Cable.

- *Be careful not to bend the Fiber Optic Cable at a sharp angle.*
- *Do not coil the Fiber Optic Cable smaller than a 30 mm radius.*
- *Do not place anything on top of the Fiber Optic Cable.*